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AN ANNOTATED CHECKLIST OF THE MONILOPHYTES (FERNS) AND LYCOPHYTES OF EL SALVADOR

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ABSTRACT

We report a total of 397 species, 89 genera and 28 monilophyte and lycophyte familes for El Salvador. 29 of these are new records for the country and we have excluded 28 previous records. We summarise the extent of collecting within El Salvador and list the major collectors for the country. For each record, the local name, herbarium collections (verifiable biodiversity data), distribution within El Salvador and conservation status (where assessed) are given. This study is the result of a literature review and a review of 6397 herbarium specimens at BM, F, ITIC, LAGU, MHES and NY.

RESUMEN

Se reportan un total de 397 especies, 89 generos y 28 familias de monilophyte y lycophyte para El Salvador. 29 de las especies son nuevos registros para el país y hemos excluido 28 registros anteriores. Se explican como el alcance de las colectas en El Salvador y se listan los principales colectores para el país. Para cada registro, nombre común, muestras de herabrio (datos de biodiversidad verificable), Distribución dentro de El Salvador y estado de conservación (dónde se valora) son dados. Este estudio es el resultado de una revisión de la literatura y 6397 muestras de herabrio de BM, F, ITIC, LAGU, MHES and NY.

INTRODUCTION

El Salvador is located on the Pacific coast of Central America and covers 21,000 km^2. It has a population of 6.9 million (The World Bank Group, 2007), making it the most densely populated country in Latin America. It is also, by far, the most deforested country in continental Central and South America. Holdridge (1975) estimated that 99.5% of El Salvador would have been forested prior to human occupation. The vast majority of the country's biodiversity including ferns, would have been associated with that forest cover. In 2001 a forest survey of the country based on sattelite data estimated undisturbed natural forest cover to be 7% (Ventura & Villacorta, 2001). The loss of so much natural forest suggests that a huge proportion of El Salvador's fern diversity is at risk. Conservation tools such as checklists and identification guides are therefore of critical importance since they enable the accurate identification and monitoring of diversity. A fact recognised by El Salvador in the Estrategía Nacional de Biodiversidad

(Ministerio de Medio Ambiente y Recursos Naturales, 2000) and the Global Strategy for Plant Conservation (Secretariat of the Convention on Biological Diversity and Botanic Gardens Conservation International, 2002).

Past studies of the Salvadoran Pteridophyte flora

Ferns represent one of the most studied groups of organisms in El Salvador. The first study of Salvadoran ferns was undertaken in 1930 by Maxon & Standley, *Ferns of the Republic of Salvador* . This was based on the collections of Standley and listed 87 species for the country. In 1941 Calderón & Standley published the *Lista Preliminar de Plantas de El Salvador* (Preliminary list of the plants of El Salvador) which included 97 species. Thirteen years later Löetschert (1954), based at the ITIC herbarium of the University of El Salvador, published *Nuevas Pteridofitas para El Salvador* (New pteridophytes for El Salvador) in which 75 new records were included, bringing the total unmber of species to 172. In 1982, Ralph Seiler, a US Peace Corp worker based at the Museo de Historia Natural de El Salvador (MHES) from 1980 to 1982, published *Contribuciones a la Pteridología Centroamericana* (Contributions to Central American Pteridology) in which he recognised 316 species for El Salvador. This was based on a combination of his own collections (denoted by a '*' in Seiler, 1982) and those that he studied at ITIC. Towards the end of the 1980's Pfeiffer-Berendsohn, published Listado Básico de la Flora Salvadorensis. Pteridophyta. Cuscatlania 1(1). This was based on the PLANTAS collections database of the research section of the Jardín Botánico La Laguna and listed 346 species for the country. This number was reduced with the publication of *Flora Mesoamericana* (Volume 1: Psilotaceae to Salviniaceae, Davidse et al.) in 1995. *Flora Mesoamericana* recorded 304 species for El Salvador although the collections at LAGU and ITIC were not consulted.

MATERIALS AND METHODS

The checklist is based on an inventory of the fern collections at BM, F, ITIC, LAGU, MHES and NY. All material was critically studied using the following reference works: Listado Básico de la Flora Salvadorensis. Pteridophyta. Cuscatlania 1(1) (Berendsohn, W. G., 1989); 'The Pteridophytes of Mexico' (Mickel & Smith, 2004); and Flora Mesoamericana Volume 1 (Davidse et al., 1995). In additions colleagues in Costa Rica and Mexico (Alexander Rojas Alvarado, Jardín Botánico de Lankaster, Costa Rica y Daniel Tejero-Diez, Universidad Nacional Autónoma de Mexico, Iztacala, Mexico) were contacted where there were doubts over the indentifion of a species. In total 6397 collections were examined: 1329 at BM, 931 at F, 523 at ITIC, 1523 at LAGU, 992 at MHES and 1099 at NY.

Species were considered as being part of the Salvadoran flora where a herbarium collection of known Salvadoran origin was seen by the authors, or where a species was cited in one of the publications listed in Table 1 and referenced to a herbarium collection. Species records published elsewhere, or where cited in a publication in Table 1 but not referenced to a herbarium collection (or where the identification resulting in a citation was incorrect) were excluded. Of the species that met the above criteria for inclusion in the checklist some were excluded where a herbarium collection was based on cultivated material. Examples of other species that were excluded from the checklist are: *Athyrium dombei* Desv., a species described from Peru and whose citation for El Salvador is known only from Seiler (1982) but was not based on any herbarium material from El Salvador; and *Asplenium castaneum* Schlecht. & Cham. (C.D. Adams, 1995)

whose citation was based on the misidentification of a Salvadoran collection (*Seiler 160*, F) of *Asplenium polyphyllum* Bertol.

Where species were cited in one of the publications but no specimens were seen by these authors, this is indicated in the checklist by the symbol: '▶'. Species were considered new records where that species, or its basionym / synonym had not been cited as occurring in El Salvador in a previous floristic publication encompassing the country (see Table 1). Such species are indicated in the checklist by the symbol '◆'.

The classification of ferns used in this study follows Smith et al. (2006).

RESULTS

A total of 397 species, 89 genera and 28 pteridophyte familes are reported for El Salvador (summarized in Table 3). This compares with previous estimates ranging from 87 to 346 (Maxon & Standley, 1930; Calderón & Standley, 1940; Löetschert, 1954; Seiler, 1982; Berendsohn, 1989; Davidse et al., 1995). The records are listed below. 25 of these are new records for the country and we have excluded 28 previous records. Only two species are endemic to El Salvador: *Elaphoglossum microproductum* A. Rojas (known only from the type collection) and *Anemia salvadorensis* Mickel.

New records for El Salvador

29 new records were encountered during the course of this work. They are indicated by the symbol '◆' preceding the taxon name in Appendix 1.

Asplenium cirrhatum Rich. *ex* Willd.
Asplenium cristatum Lam.
Asplenium monodon Liebm.
Asplenium theciferum (Kunth) Mett.
Bolbitis bernoullii (Kuhn *ex* Christ) Ching
Ctenitis equestris* var. *erosa Stolze
Dennstaedtia globulifera (Poir.) Hieron.
Dennstaedtia spinosa Mickel
Diplazium drepanolobium A.R. Sm.
***Elaphoglossum lonchophyllum* (Fée)** T. Moore
***Elaphoglossum minutum* (Pohl *ex* Fée)** T. Moore
Hymenophyllum crispum Kunth
***Lastreopsis effusa* subsp. divergens** (Willd.) Tindale
Megalastrum pulverulentum (Poir.) A. R. Sm. & R. C. Moran
Olfersia cervina (L.) Kunze
Pityrogramma ochracea (C. Presl) Domin
Polypodium diplotrichum Mickel & Beitel
Polypodium thyssanolepis A. Braun *ex* Klotzsch
Polystichum muenchii (Christ) C. Chr.
Psilotum nudum (L.) P. Beauv.
Pteris erosa Mickel & Beitel
Terpsichore delicatula (M. Martens & Galeotti) A. R. Sm.
Thelypteris angustifolia (Willd.) Proctor
Thelypteris linkiana (C. Presl) R.M. Tryon
Thelypteris obliterata (Sw.) Proctor
Thelypteris serrata (Cav.) Alston

Thelypteris standleyi (Maxon & C. V. Morton) R. M. Tryon
Trichomanes hymenophylloides Bosch
Vittaria bradeorum Rosenst.

Species excluded from the checklist
Asplenium auritum Sw. var. ***auritum***
The only record of this species (Seiler, 1982) is an incorrectly identified collection of *Asplenium monodon* Liebm. (*Seiler 466*, MUHNES).
Asplenium castaneum Schlecht. & Cham.
The only record of this species (Adams, 1995), is an incorrectly identified collection of *Asplenium polyphyllum* Bertol. (*Seiler 160*, F).
Asplenium hastatum Klotzsch ex Kunze
Seiler (1982) referred to the presence of this species in El Salvador, but referred to its presence as dubious because he had not seen a collection from the country. No collections of this species were located by Monterrosa & Monro.
Asplenium otites Link
Seiler (1982) reported this species for El Salvador. No specimens or additional citations associating this species to El Salvador were encountered and reports of this species from Mesoamerica as a whole are uncertain (Adams, 1995; Mickel & Smith, 2004).
Asplenium radicans **L.**
Seiler (1982) reported *Asplenium radicans* var. *partitum* for El Salvador. This variety has since been placed in synonymy with *A. flabellulatum*. (Adams, 1995).
Asplenium rigidum **Sw.**
This species was reported from El Salvador (Adams, 1995) based on misidentified material (see Mickel & Smith 2004: 90, under discussion for *Asplenium cuspidatum* Lam.). No collections of this species from El Salvador have been located.
Athyrium dombei **Desv.**
This species was reported from El Salvador (Adams, 1995) based on misidentified material (see Mickel & Smith 2004: 137 under discussion for *Athyrium bourgeaui* E. Fourn.). No collections of this species from El Salvador have been located.
Dennstaedtia dissecta **(Sw.) T. Moore**
This species is restricted to the Greater Antilles, Costa Rica, Panama and the Andes (Navarrete & Øllgaard, 2000). It is likely that Seiler (1982) mistakenly identified material of *Dennstaedtia cornuta* (Kaulf.) Mett., which was previously treated as conspecific to *D. dissecta* (see discussion of *D. cornuta* in Mickel & Smith, 2004).
Elaphoglossum firmum **(Mett.) Urb.**
Seiler (1982) referred to the presence of this species in El Salvador as dubious because he had not seen a collection from the country. No collections of this species were located by Monterrosa & Monro.
Elaphoglossum formosum **(M. Martens & Galeotti) Urb.**
Seiler (1982) referred to the presence of this species in El Salvador as dubious because he had not seen a collection from the country. No collections of this species were located by Monterrosa & Monro.
Elaphoglossum longifolium **(Jacq.) J. Sm.**
Seiler (1982) referred to the presence of this species in El Salvador as dubious because he had not seen a collection from the country. No collections of this species were located by Monterrosa & Monro.
Elaphoglossum pilosum **(Humb. & Bonpl. ex Willd) T. Moore**

Seiler (1982) referred to the presence of this species in El Salvador as dubious because he had not seen a collection from the country. No collections of this species were located by Monterrosa & Monro.

***Elaphoglossum revolvens* (Kunze) C. Chr.**

Seiler (1982) referred to the presence of this species in El Salvador as dubious because he had not seen a collection from the country. No collections of this species were located by Monterrosa & Monro.

Elaphoglossum rigidum (Aubl.) Urban

Although Stolze (1981) reported this species (as a synomym of *E. flaccidum*) from El Salvador, Guatemala and Mexico, Mickel & Smith 2004 do not recognize this species from Mexico and Mickel in Davidse *et al.* (1995) treats *E. flaccidum* as native to South America.

***Grammitis heteromorpha* (Hook. & Grev.) C. V. Morton**

Seiler (1982) referred to the presence of this species in El Salvador as dubious because he did not see a collection from the country. No collections of this species were located by Monterrosa & Monro. In addition, Mickel & Smith (2004) state that *G. heteromorpha* is restricted to the Andes.

***Grammitis meridensis* (Klotzsch) F. Seym.**

Seiler (1982) referred to the presence of this species in El Salvador, but referred to its presence as dubious because he had not seen a collection from the country. No collections of this species were located by Monterrosa & Monro.

***Huperzia mexicana* (Herter) Holub**

Seiler (1982) referred to the presence of this species in El Salvador, but referred to its presence as dubious because he had not seen a collection from the country. No collections of this species were located by Monterrosa & Monro.

***Huperzia verticillata* (L.f) Trevis.**

Seiler (1982) referred to the presence of this species in El Salvador, but referred to its presence as dubious because he had not seen a collection from the country. No collections of this species were located by Monterrosa & Monro.

***Lellingeria delitescens* (Maxon) A. R. Sm. & R. C. Moran**

Seiler (1982) referred to the presence of this species in El Salvador, but referred to its presence as dubious because he had not seen a collection from the country. No collections of this species were located by Monterrosa & Monro.

***Notholaena affinis* (Mett.) Hook. *ex* T. Moore**

The only record of this species (*Seiler 88*, MHES, NY; Seiler, 1982) is an incorrectly identified collection of *Notholaena meridionalis* Mickel.

***Polypodium arcanum* Maxon**

Seiler (1982) referred to the presence of this species in El Salvador, but referred to its presence as dubious because he had not seen a collection from the country. No collections of this species were located by Monterrosa & Monro.

***Polypodium montigenum* Maxon**

Seiler (1982) referred to the presence of this species in El Salvador but did not cite a collection. No collections of this species were located by Monterrosa & Monro and it is possible that Seiler incorrectly identified a collection of *Polypodium alansmithii* R. C. Moran as *P. montigenum.*

***Polypodium ptilorrhizon* Christ**

This species was reported in El Salvador by Seiler (1982) and Berendsohn (1989) and is based on a misidentification by Seiler (1982).

***Polystichum ordinatum* (Kunze) Liebm.**
Maxon & Standley (1930) and later Calderón & Standley (1941) reported this species from El Salvador. Seiler (1982) referred to the presence of this species in El Salvador as dubious because he did not see a collection from the country. No collections of this species were located by Monterrosa & Monro.
***Pteris pulchra* Schltdl. & Cham.**
Maxon & Standley (1930) reported this species as present in El Salvador. Seiler (1982) referred to the presence of this species in El Salvador as dubious because he did not see a collection from the country. No collections of this species were located by Monterrosa & Monro.
***Pteris polita* Link.**
Seiler (1982) cites *Pteris polita* as present in El Salvador based on the misidentification of material of *Pteris orizabae*.
***Thelypteris opposita* (Vahl) Ching**
Seiler (1982) cites *Thelypteris opposita* as present in El Salvador on the misidentification of material of material of *Thelypteris balbisii* (Spreng.) Ching and *T. resinifera* (Desv.) Proctor.
***Vittaria lineata* (L.) J. Sm.**
Calderón & Standley (1941) reported this species as present in El Salvador. Seiler (1982) referred to the presence of this species in El Salvador as dubious because he did not see a collection from the country. No collections of this species were located by Monterrosa & Monro.

Uses
Marattia and *Equisetum* have documented (Pers. Obs.) medicinal uses: *Marattia excavate* as a contraceptive; *Equisetum giganteum* and *E. myriochaetum* as diuretics and hypoglycaemics and *Equisetum* species "cola de caballo" are commonly sold in local markets for these properties (Pers. Obs.). *Polypodium pleurosorum* "calaguala" is also sold as a medicinal plant, however the purported properties are unknown. *Cyathea divergens*, *Nephrolepis spp.* "cola de ardilla" and *Polypodium pleurosorum* are used as ornamentals in gardens and landscaping and the stems of *Cyathea* species are sold as a growing medium for the cultivation of orchids. No other uses are known for Salvadoran ferns.

Table 1. State-wise distribution of fern species records based on collections at LAGU.

State	# State records	State	# State records
Ahuachapán	141	**San Miguel**	34
Cabañas	24	**San Salvador**	107
Chalatenango	142	**San Vicente**	46
Cuscatlán	10	**Santa Ana**	236
La Libertad	71	**Sonsonate**	87
La Paz	12	**Usulután**	47
Morazán	122	**Total**	952

Also of economic significance is the invasive species *Pteridium aquilinum* var. *feei* (bracken) that has been responsible for the poisoning of cattle throughout the country (Ministerio de Agricultura y Ganaderia, Pers. Comm., 2005).

Locality distribution data within El Salvador

Species records for a locality are the product of species distribution and sampling effort, with differences in the number of species records from one state to the next not necessarily reflecting differences in fern diversity or sampling effort. Combined with knowledge of the geography and vegetation of a country and collecting effort as indicated by herbarium records, however, they can be used to give an indication of both variation in sampling effort and diversity.

Analysis of the 1523 collections held at LAGU indicates that sampling effort has been very uneven in El Salvador - Santa Ana, Ahuachapán, Chalatenango and Morazán accounting for ca 75% of species-records whilst Cuscatlan and La Paz account for just 1.7% of records. In part this correlates with the expected distribution of fern diversity based on altitudinal gradients in these states. The unevenness of the records is, however, much greater than would be expected from altitudinal gradients and it appears that there has been collecting bias. Most likely collection effort has been focused on protected areas: the cloud forest of reserve of Montecristo (Santa Ana), the lowland tropical moist forest reserve of El Impossible (Ahuachapán), El Pital (Chalatenango) and the Río Sapo oak and pine forest reserve (Morazán). This also corresponds with the authors' own knowledge of collecting effort. A future collection program focussing on the states with the fewest species records (Cuscatlan, La Paz, Cabañas, San Vicente and San Miguel) and agricultural (e.g. shade coffee farms) and private land would be expected to provide valuable baseline data essential for the conservation of ferns in El Salvador.

Principal collectors and collections

The principle collectors of ferns in El Salvador have been William Lötscher (also known as Loetschert, first set of collections at ITIC), William Maxon (first set of collections at US), Paul Standley (main sets of collections at US and F), Calderón (main sets of collections at US), John Tucker (first set of collections at DAV), Antonio Molina R. (first set of collections at EAP), Norman Fasset (first set of collections at WIS), Louis Williams (first set of collections at F) and Margery Carlson (first set of collections at F) and Ralph Seiler (first set of collections at MHES and F)

DISCUSSION

El Salvador's fern diversity in a national context

Ferns are one the best studied groups of organisms in El Salvador, alongside birds and reptiles. The first checklist to the ferns of the country dates to the 1920s and several have followed (see introduction). This comparitively strong knowledge of the fern flora of El Salvador makes ferns a good candidate for developing national inventory protocols and conservation strategies that will contribute to El Salvador's commitment to the Global Strategy for Plant Conservation (2002). A Darwin Initiative project initiated in 2006 with the Ministerio de Medio Ambiente y Recursos Naturales (Ministry of the Environment and Natural Resources), 'Tools and training for fern conservation and monitoring (El Salvador)', seeks to do exactly this and use ferns to develop a country-wide monitoring strategy that can subsequently be applied to other groups of organisms.

Fern species-records for Salvadoran ferns are very unevenly distributed between states, indicating an apparent sampling bias towards the country's national parks and against private land and 'disturbed' vegetation (secondary forest, agroforest, small forest fragments). The relatively poorly sampled disturbed vegetation represents the greater part of the El Salvador's forest cover (19% versus 7%) and further sampling in this areas should generate many new species-records at the state and possibly national level. As an example of this potential, an inventory of the ferns growing within 27 shade coffee farms enumerated 38 fern species (Monro et al., 2002) and accounts for a significant proportion of the fern records for the state of Cabañas. It should therefore be seen as a priority to sample such areas.

The economic importance of ferns to El Salvador although yet to be evaluated, is likely to be minimal and restricted to medicinal and ornamental uses and the toxicity of the invasive *Pteridium aquilinum*.

El Salvador's fern diversity in a regional context

El Salvador has relatively high species diversity per km^2 compared with the neighbouring countries of Central America. This is possibly a sampling artifact, El Salvador having been more intensively collected for ferns than other countries in Central America. Although the most active collectors of ferns in El Salvador expended greater collecting effort in Guatemala, Guatemala has a greater area - over five times the size of El Salvador. El Salvador's high fern diversity could also be ascribed to its large altitudinal variation (2418 m) and variation in rainfall across the country (1100-1700 mm pa), for its size. The transition from the dry coastal lowlands to the wetter highlands inland, combined with the presence of a number of isolated volcanic peaks that reach altitudes greater than 1700 m (Santa Ana, Coatepeque, Apaneca, Izalco, San Salvador, Ilopango, San Miguel, San Vicente, Tecapa and Conchagua) has resulted in a great diversity of forest and non-forest habitat types (Ventura et al., 2001) at altitudes associated with high fern diversity elsewhere (Kluge et al., 2006), many of which are isolated from each-other. Kluge et al. (2006), studying fern diversity along an altitudinal gradient in Costa Rica found that fern diversity peaked at mid-elevations (ca 1700 m) and that the mid-domain position together with humidity and temperature were the most powerful explanatory variables species diversity. It may be that a combination of the relative frequency of mid-domain positions in volcanoe-dominated landscapes is high and that this, combined with a relatively steep rainfall gradient across the landscapes contributes to the relatively high diversity of ferns in El Slavador.

As is the case for Neotropical ferns in general the level of endemism is very low at ca 0.5% of the species.

Table 2. Current estimates of fern diversity for Central America.

Country	Fern diversity (source)	Surface area km^2	Altitudinal range (m)	Spp. per 1000 km^2
Guatemala	652 (Stolze, R. G., 1976, 1981, 1983)	108,900	4220	6.0
Belize	234 (Balick et al. 2000)	22,960	1124	11.9
El Salvador	397 (this article)	21,000	2418	18.9
Costa Rica	1112 (Hammel et al., 2004)	51,100	3810	21.7
Panama	938 (Correa *et al.*, 2004)	75,520	3475	12.4

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APPENDIX 1. CHECKLIST OF THE MONILOPHYTES (FERNS) AND LYCOPHYTES OF EL SALVADOR

Ferns or monilophytes are arranged by family in alphabetical order following Smith et al. (2006) asignment of genera to family. Lycophytes are arranged by family in alphabetical order following the asignment of genera to family of *Flora Mesoamericana* (Davidse et al., 1995).

Conspectus of the monilophytes and lycophytes of El Salvador (see pages 131-132)

New records for El Salvador are indicated by "♦". Endemic species are indicated by "●". Species for which no collections have been seen but where we are confident of their inclusion by previous authors (see Table 1) are indicated by "▶".

DIVISION LYCOPHYTA
LYCOPODIACEAE

Huperzia cuernavacensis (Underw. & F. E. Lloyd) Holub, Folia Geobot. Phytotax. 20: 72. 1985.
Lycopodium cuernavacensis Underw. & F. E. Lloyd, *Urostachys cuernavacensis* (Underw. & F. E. Lloyd) Hetter *ex* Nessel
Global distribution: Mexico, Guatemala.
Salvadoran distribution: **Chalatenango**: R. Seiler 157 (MHES).

Huperzia dichotoma (Jacq.) Trevis., Atti Soc. Ital. Sci. Nat. 17: 248. 1874.
Lycopodium dichotomum Jacq., *Urostachys dichotomus* (Jacq.) Herter . Local name: candelillo.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, French Guyana, Peru, Brazil, Bolivia, Paraguay.
Salvadoran distribution: **Ahuachapán**: Arana s.n. (JBL04315) (LAGU); R. Villacorta *et al.* 908 (B, LAGU, MO); W. Berendsohn & M. Sandoval 1634 (LAGU). **Chalatenango**: H. Sipman *et al.* s.n. (JBL02486) (LAGU).

TABLE 3. Conspectus of the monilophytes and lycophytes of El Salvador.

Division	Class	Order	Family	Genus	Spp.
DIVISION LYCOPHYTA	LYCOPSIDA	Lycopodiales	Lycopodiaceae	Huperzia	11
				Lycopodiella	3
				Lycopodium	2
		Selaginellales	Selaginellaceae	Selaginella	13
DIVISION EUPHYLLOPHYTA SUB-DIVISION MONILOPHYTA	PSILOTOPSIDA	Ophioglosales	Ophioglosaceae	Botrychium	3
				Ophioglossum	1
		Psilotales	Psilotaceae	Psilotum	2
	EQUISETOPSIDA	Equisetales	Equisetaceae	Equisetum	4
	MARATTIOPSIDA	Marattiales	Marattiaceae	Marattia	2
	POLYPODIOPSIDA	Osmundales	Osmundaceae	Osmunda	2
		Hymenophyllales	Hymenophyllaceae	Hymenophyllum	9
				Trichomanes	9
		Gleicheniales	Gleicheniaceae	Dicranopteris	1
				Diplopterygium	1
				Gleichenella	1
				Sticherus	4
		Schizaeales	Lygodiaceae	Lygodium	1
			Anemiaceae	Anemia	6
		Salviniales	Marsileaceae	Marsilea	1
			Salviniaceae	Azolla	2
				Salvinia	2
		Cyatheales	Culcitaceae	Culcita	1
			Cibotiaceae	Cibotium	1
			Cyatheaceae	Alsophila	3
				Cyathea	7
				Sphaeropteris	1
			Dicksoniaceae	Dicksonia	1
				Lophosoria	1
		Polypodiales	Lindsaeaceae	Lindsaea	1
				Lonchitis	1
			Dennstaedtiaceae	Dennstaedtia	5
				Histiopteris	1
				Hypolepis	4
				Pteridium	3
			Pteridaceae	Acrostichum	2
				Adiantum	18
				Ananthacorus	1
				Anogramma	2
				Bommeria	1
				Ceratopteris	2
				Cheilanthes	11
				Cheiloplecton	1
				Doryopteris	1
				Eriosorus	1
				Hemionitis	3

TABLE 3. (continued from previous page)

Division	Class	Order	Family	Genus	Spp.
DIVISION EUPHYLLOPHYTA SUB-DIVISION MONILOPHYTA	POLYPODIOPSIDA	Polypodiales	Pteridaceae	Mildella	1
				Notholaena	2
				Pellaea	1
				Pityrogramma	6
				Polytaenium	1
				Pteris	11
				Scoliosorus	1
				Vittaria	2
			Aspleniaceae	Asplenium	29
			Thelypteridaceae	Macrothelypteris	1
				Thelypteris	29
			Woodsiaceae	Athyrium	3
				Cystopteris	1
				Diplazium	10
				Woodsia	1
			Blechnaceae	Blechnum	15
				Woodwardia	2
			Dryopteridaceae	Arachniodes	1
				Bolbitis	3
				Ctenitis	8
				Dryopteris	5
				Elaphoglossum	29
				Lastreopsis	1
				Megalastrum	1
				Olfersia	1
				Phanerophlebia	2
				Polystichum	8
			Lomariopsidaceae	Cyclopeltis	1
				Nephrolepis	4
			Tectariaceae	Tectaria	5
			Polypodiaceae	Ceradenia	2
				Cochlidium	2
				Lellingeria	2
				Melpomene	6
				Micropolypodium	1
				Terpsichore	7
				Campyloneurum	6
				Loxogramme	1
				Niphidium	1
				Pecluma	2
				Phlebodium	1
				Pleopeltis	4
				Polypodium	22
				Serpocaulon	2
				Total	397

Huperzia hippuridea (Christ) Holub, Folia Geobot. Phytotax. 20: 73. 1985.
Lycopodium hippurideum Christ *in* Pittier, *Urostachys hippurideus* (Christ) Herter *ex* Nessel
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: R. Villacorta *et al.* 1284 (B, LAGU, MO). **Chalatenango**: R. Villacorta *et al.* 2052 (B, LAGU, MO); R. Seiler 158 (F, MHES).

Huperzia linifolia (L.) Trevis., Atti Soc. Ital. Sci. Nat. 17: 248. 1874.
Lycopodium linifolium L., *Urostachys linifolius* (L.) Herter
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Suriname, Ecuador, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: H. Weber 277 (ITIC); R. Seiler 247 (MHES); S. Winkler 8b (ITIC).

Huperzia myrsinites (Lam.) Trevis., Atti Soc. Ital. Sci. Nat. 17: 248. 1874.
Lycopodium myrsinites Lam., *L. skutchii* Maxon, *Plananthus myrsinites* (Lam.) P. Beauv., *Urostachys myrsinites* (Lam.) Herter
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Ecuador, Peru.
Salvadoran distribution: **Santa Ana**: R. Seiler 235 (F, ITIC, MHES); 288 (MHES); R. Villacorta *et al.* 1278, 1280 (B, LAGU, MO). **Chalatenango**: R. Villacorta *et al.* 2057 (B, LAGU, MO); R. Seiler 401 (JBL00110) (F, LAGU, MHES); 747 (F); S. Winkler 1a (ITIC). **Morazán**: R. Seiler 1021 (F, MHES).

Huperzia orizabae (Underw. & F. E. Lloyd) Holub, Folia Geobot. Phytotax. 20: 75. 1985.
Lycopodium orizabae Underw. & F. E. Lloyd, *Urostachys orizabae* (Underw. & F. E. Lloyd) Herter *ex* Nessel
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: Kovar 2594, US (Øllgaard in Davidse *et al.* 1995). **Santa Ana**: R. Seiler 764 (MHES).

Huperzia pithyoides (Schldtl. & Cham.) Holub, Folia Geobot. Phytotax. 20: 76. 1985.
Lycopodium pithyoides Schltdl. & Cham., *L. gigas* Herter, *Urostachys pithyoides* (Schltdl. & Cham.) Herter, *U. gigas* (Herter) Herter
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Antilles, Colombia, Venezuela.
Salvadoran distribution: **Santa Ana**: R.A. Carballo *et al.* 90 (B, LAGU); R. Seiler 310 (MHES); S. Winkler 6b (ITIC). **Chalatenango**: R. Seiler 420 (JBL00111) (LAGU); R. Seiler 746 (MHES). **Morazán**: R. Seiler 982 (F, ITIC, MHES).

Huperzia pringlei (Underw. et F. E. Lloyd) Holub, Folia Geobot. Phytotax. 20: 76. 1985.
Lycopodium pringlei Underw. & F. E. Lloyd, *L. tuerckheimii* Maxon, *Urostachys pringlei* (Underw. & F. E. Lloyd) Herter *ex* Nessel, *U. tuerckheimii* (Maxon) Herter, *Huperzia tuerckheimii* (Maxon) Holub

Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Santa Ana**: H. Weber 294 (ITIC); J. Lagos 12 (ITIC); R. Seiler 180, 767 (MHES); R. Villacorta & H. Sipman 1275 (B, LAGU, MO); S. Winkler 3 (ITIC). **Chalatenango**: R. Seiler 159 (ITIC, MHES); 743 (MHES). **Morazán**: E.A. Montalvo s.n. (ITIC); R. Seiler 1001 (F, MHES); 1022 (MHES).
Note: Seiler (1982) and Berendsohn (1989) treat *L. pringlei* and *L. tuerckheimii* as distinct species.

Huperzia reflexa (Lam.) Trevis., Atti Soc. Ital. Sci. Nat. 17: 248. 1874.
Lycopodium reflexum Lam., *Urostachys reflexus* (Lam.) Herter
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Salvadoran distribution: **Sonsonate**: R. Villacorta & M.L. Reyna de Aguilar 716 (B, ITIC, LAGU, MO). **Santa Ana**: A. Molina *et al.* 21712 (F, ITIC); M.C. Carlson 979 (F); R. Seiler 267 (F, MHES); 883 (F, ITIC, MHES); S. Winkler 7a (ITIC). **La Libertad**: M.C. Carlson 249 (F); R. Villacorta & E.A. Montalvo 2314 (B, LAGU, MO). **San Salvador**: A. Molina *et al.* 21862 (F). **San Vicente**: E.A. Montalvo s.n. (ITIC). **Morazán**: R. Seiler 1013, 1085 (F, MHES); 1052 (MHES); 1077 (F, ITIC, MHES).

Huperzia taxifolia (Sw.) Trevis., Atti Soc. Ital. Sci. Nat. 17: 248. 1874.
Lycopodium taxifolium Sw., *Urostachys taxifolius* (Sw.) Herter
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Ahuachapán**: A. Molina *et al.* 21760 (ITIC); E.A. Montalvo 5463 (ITIC); R. Seiler 959 (F, MHES). **Santa Ana**: G. Davidse *et al.* 37244 (B, BM, ITIC, LAGU, MO, L). González 1981 (ITIC); R. Seiler 307 (F, MHES); S. Winkler 4 (ITIC). **San Vicente**: J. Lagos 2381 (ITIC).

Huperzia watsoniana (Maxon) B. Øllg., Ann. Missouri Bot. Gard. 79: 701. 1992.
Lycopodium watsonianum Maxon
Global distribution: Costa Rica, Panama.
Salvadoran distribution: Molina *et al.* 16823, F (Øllgaard in Davidse *et al.* 1995). **Santa Ana**: R. Seiler 232 (MHES); 289 (F, MHES). **Chalatenango**: R. Seiler 744 (MHES).

Lycopodiella alopecuroides (L.) Cranfill, Amer. Fern J. 71: 97. 1981.
Lycopodium alopecuroides L.
Global distribution: USA, Mexico, Guatemala, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Paraguay, Uruguay.
Salvadoran distribution: **Morazán**: R. Seiler 1078 (F, ITIC, MHES).

Lycopodiella caroliniana (L.) Pic. Serm., Webbia 23: 165. 1968.
Lycopodium caroliniamum L., *L. meridionale* Underw. & F. E. Lloyd, *L. caroliniamum* L. var. *meridionale* (Underw. & F. E. Lloyd) Nessel, *Pseudolycopodiella meridionalis* (Underw. & F. E. Lloyd) Holub, *Lycopodiella caroliniana* (L.) Pic. Serm. var. *meridionalis* (Underw. & F. E. Lloyd) B. Øllg. & P. G. Windisch.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Panama.

Antilles, Colombia, Venezuela, Guayana, Suriname, French Guyana, Ecuador, Peru.
Salvadoran distribution: **Morazán**: R. Seiler 1014 (F, MHES).

Lycopodiella cernua (L.) Pic. Serm., Webbia 23: 166. 1968.
Lycopodium cernuum L., *Lepidotis cernua* (L.) P. Beauv., *Palhinhaea cernua* (L.) Vasc. & Franco.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Trópicos y Subtrópicos del Viejo Mundo.
Salvadoran distribution: **Santa Ana**: B. Bechyne 3908 (ITIC); E. Peñate s.n. (ITIC); R. Seiler 39 (F, MHES); 1204 (F); Thomson 55 (ITIC). **San Salvador**: N.C. Fassett 28601 (ITIC); W. Eggler 682 (F). **Chalatenango**: A. Díaz s.n. (ITIC); M.C. Carlson 592 (F); R. Villacorta & A. Araniva 980 (LAGU, MO, B, ITIC). **Usulután**: J. Lagos 2 (ITIC). **Morazán**: R.A. Carballo *et al.* 1032 (LAGU, MO); R. Seiler 978 (F, ITIC, MHES); 1012, 1043 (F, MHES).

Lycopodium clavatum L., Sp. Pl. 2: 1101. 1753.
Lycopodium aristatum Humb. & Bonpl. *ex* Willd., *L. piliferum* Raddi, *L. trichophyllum* Desv., *L. aristatum* Humb. & Bonpl. *ex* Willd. var. *incurvum* Grev. & Hook., *L. aristatum* Humb. & Bonpl. *ex* Willd. var. *robustius* Grev. & Hook., *L. clavatum* L. var. *raddianum* Spring, *L. clavatum* L. var. *aristatum* (Humb. & Bonpl. *ex* Willd.) Spring, *L. clavatum* L. var. *desvauxianum* Spring, *L. clavatum* L. var. *jamaicense* Spring, *L. aristatum* Humb. & Bonpl. *ex* Willd. var. *desvauxianum* Spring, *L. trichiatum* Bory var. *desvauxianum* Spring, *L. eriostachys* Fée, *L. clavatum* L. var. *eriostachys* (Fée) Nessel & Hoehne, *L. clavatum* L. var. *piliferum* (Raddi) Nessel & Hoehne, *L. clavatum* L. var. *equisetoides* Schwacke *ex* Nessel & Hoehne, *L. clavatum* L. var. *trichophyllum* (Desv.) Nessel & Hoehne.
Local name: guía de roble.
Global distribution: USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Europe.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 12538, 16715 (F; B). Pfeiffer-Berendsohn 21 (B, LAGU, MO); E.A. Montalvo s.n., 3128, 4136 (ITIC); J. Lagos, 8, 1480 (ITIC); M.L. Reyna de Aguilar 1029 (MHES); N.C. Fassett 28310 (F, ITIC); R. Seiler 115 (F, ITIC, MHES); 769 (F, MHES); R. Villacorta *et al.* 1046 (B, LAGU, MO); W. Berendsohn *et al.* 1720 (B, BM, LAGU, MO). **Chalatenango**: J. Tucker 1051 (F); R. Villacorta *et al.* 2077 (B, LAGU, MO); W. Berendsohn *et al.* 1565 (B, LAGU, MO).

Lycopodium thyoides Humb. & Bonpl. *ex* Willd., Sp. Pl., ed. 4, 5(1): 18. 1810.
Diphasiastrum thyoides (Humb. & Bonpl. *ex* Willd.) Holub, *Lycopodium complanatum* L. var. *validum* Weath., *L. complanatum* L. var. *adpressifolium* Spring, *L. complanatum* L. var. *thyoides* (Humb. & Bonpl. *ex* Willd.) Christ, *L. complanatum* L. var. *tropicum* Spring . Local name: helecho guía de roble.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Argentina.
Salvadoran distribution: Padilla 170 (US) (Øllgaard in Davidse *et al.* 1995). **Chalatenango**: W. Berendsohn *et al.* 1567 (B, LAGU, MO).

SELAGINELLACEAE

Selaginella acutifolia (Stolze) Valdespino, Mem. New York Bot. Gard. 88: 558. 2004.
Selaginella pallescens (C. Presl) Spring var. *acutifolia* Stolze
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 635 (B, LAGU); J.M. Rosales 1062, 1169 (AAU, B, BM, LAGU, MO). **Sonsonate**: D. Rodríguez & M. Trejo 77 (B, LAGU, MO). **La Libertad**: K. Sidwell *et al.* 509 (B, BM, ITIC, LAGU, MO); M. Renderos & R. Villacorta 286 (B, EAP, LAGU, MO); R.A. Carballo *et al.* 48 (B, LAGU, MO). **Chalatenango**: R. Seiler 365, 549 (MHES). **La Paz**: J. Lagos 4 (ITIC). **San Miguel**: R. Seiler 541 (MHES); R. Villacorta *et al.* 2753 (B, BM, EAP, LAGU, MO). **Cabañas**: R.A. Carballo *et al.*289 (B, LAGU, MO). **Morazán**: R.A. Carballo *et al.* 1067 (LAGU).

Selaginella bernoullii Hieron., Hedwigia 41: 192. 1902.
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Chalatenango**: R. Seiler 733 (F, MHES).
Note: M.E. Fraile in Dvidse *et al.* (1995) cites this name as a synonym of *S. porphyrospora* A. Braun. We have chosen to maintain the species distinct following the criteria cited by Mickel & Smith (2004).

▸ ***Selaginella convoluta*** (Arn.) Spring *in* Martius, Fl. Bras. 1(2): 131. 1840.
Lycopodium convolutum Arn., *Selaginella longispicata* Underw. & Millsp.
Global distribution: Mexico, Guatemala, Honduras, Antilles, Brazil, Bolivia, Paraguay, Argentina.
Source: Löetschert (1954): 23; Seiler (1982): 382; Berendsohn (1989) 1: 24.

▸ ***Selaginella estrellensis*** Hieron., Hedwigia 41. 200. 1902.
Global distribution: Costa Rica.
Source: Fraile in Davidse *et al.* (1995): 32; Alston 1955 (no visto).

Selaginella hoffmannii Hieron., Hedwigia 41. 184. 1902.
Local name: yayuco colorado.
Global distribution: Mexico, Belize, Guatemala, Honduras, Nicaragua, Costa Rica.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 666 (B, LAGU); J. Lagos 5 (ITIC); J.M. Rosales 1231, 1232 (B, BM, LAGU, MO); 1257 (AAU, B, BM, LAGU, MO); 1300 (B, BM, EAP, LAGU, MO); 1619 (B, LAGU); R. Villacorta *et al.* 905 (B, LAGU, MO). **Santa Ana**: A.K. Monro & R. Douglas 3462 (B, BM, ITIC, LAGU, MO); R. Seiler 705 (F, MHES); R. Villacorta 2179 (B, LAGU, MO). **La Libertad**: A.K. Monro *et al.* 3082 (B, BM, ITIC, LAGU, MO); R.A. Carballo *et al.* 40 (B, LAGU, MO). **San Salvador**: Grupo Ecológico Cantón El Zapote s.n. (JBL03316) (LAGU, MO); R. Seiler 634 (F, MHES); 1509 (F). **Chalatenango**: R. Seiler 143 (F, ITIC, MHES).

Selaginella lepidophylla (Hook. & Grev.) Spring *in* Martius, Fl. Bras. 1(2): 126. 1840.
Lycopodium lepidophyllum Hook. & Grev.
Global distribution: USA, Mexico.
Salvadoran distribution: **San Salvador**: R. Seiler 48 (F, ITIC, MHES).

Selaginella martensii Spring, Acad. Roy. Sci. Belgique 24: 129. 1849.
Selaginella solmsii Baker
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 12633, 16866, 16883 (F); E.A. Montalvo 4137 (ITIC); G. Davidse *et al.* 37242, 37304 (B, BM, ITIC, LAGU, MO); J. Lagos 14 (ITIC); J. Tablas s.n. (ITIC); J. Toledo s.n. (ITIC); M.C. Carlson 890 (F); R. Seiler 108 (F, ITIC); 184 (F, MHES); 472 (F, ITIC, MHES); R. Villacorta *et al.* 1279 (B, LAGU); 2679 (B, F, LAGU, MO). **La Libertad**: F. López s.n. (ITIC).

Selaginella pallescens (C. Presl) Spring *in* Martius, Fl. Bras. 1(2): 132. 1840.
Lycopodium pallescens C. Presl, *L. cuspidatum* Link, *Selaginella cuspidata* (Link) Link, *S. cuspidata* (Link) Link var. *elongata* Spring
Local names: helecho tuya, resurrección.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Suriname, Brazil.
Salvadoran distribution: **Ahuachapán**: E. Sandoval *et al.* 602 (B, LAGU); 1338 (K, LAGU); J.M. Rosales 1299 (B, BM, EAP, LAGU, MO); 1403, 1586 (AAU, B, BM, LAGU, MO); M. Sandoval & E. Sandoval 20 (B, F, LAGU); T. Croat 42064 (ITIC). **Sonsonate**: R. Seiler 8 (F, MHES); T. Croat 42239 (ITIC). **Santa Ana**: A. Molina *et al.* 21881 (F, ITIC); T. Croat 42300 (ITIC); V.M. Martínez s.n. (CMC00262) (B, LAGU). **La Libertad**: J.C. González & M.A. Hernández 361 (B, EAP, LAGU, MO). **San Salvador**: M.C. Carlson 331 (F); R. Seiler 53 (F, ITIC, MHES); 506 (F, MHES); Tobar s.n. (12-802) (MHES). **Chalatenango**: D. Sloot & A. Reina 262 (MAG00691) (B, LAGU, U). **La Paz**: R. Villacorta *et al.* 293 (B, LAGU, MO). **San Miguel**: W. Eggler 663, F (ITIC). **Cabañas**: R. Seiler 521 (F, MHES); R. Villacorta & R.M. Rivas 2119 (B, LAGU, MO). **Cuscatlán**: F. Wunderlin 3026 (ITIC). **Morazán**: A.K. Monro *et al.* 3833 (B, BM, ITIC, LAGU, MO); R. Villacorta *et al.* (B, BM, LAGU, MO).

Selaginella porphyrospora A. Braun, Ann. Sci. Nat. Bot., sér 5, 3: 286. 1865.
Selaginella bulbifera Baker, *S. binervis* Liebm. *ex* Baker
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Ecuador.
Salvadoran distribution: **Sonsonate**: R. Seiler 609 (F, MHES). **Santa Ana**: J. Williams 30 (ITIC); R. Seiler 877 (F, ITIC, MHES). **San Salvador**: H. Weber 7 (ITIC).

Selaginella sertata Spring, Nouv. Mém. Acad. Roy. Sci. Bruxelles 24(1): 104. 1850.
Selaginella nicaraguensis Baker
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Ahuachapán**: J.M. Rosales 1603 (AAU, B, BM, LAGU, MO). **Santa Ana**: R. Villacorta *et al.* 1237 (B, LAGU, MO). **La Libertad**: R. Villacorta & D.Lentz 1109 (B, LAGU, MO). **Chalatenango**: R. Seiler 147 (MHES). **La Paz**: R. Villacorta & S. Villacorta 1154 (B, LAGU, MO). **San Miguel**: R. Seiler 543 (MHES). **Cabañas**: R. Seiler 526 (MHES).

▸ ***Selaginella silvestris*** Asplund, Ark. Bot. 20A(7): 30 (F). 3-5. 1926.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Colombia, Venezuela, Ecuador, Peru, Bolivia.

Salvadoran distribution: Tucker 1174 (UC) (Fraile in Davidse *et al.* 1995).
Source: Stolze (1983): 60; Berendsohn (1989) 1: 24; Fraile in Davidse *et al.* (1995): 28; Mickel & Smith (2004): 596.

▸ ***Selaginella stellata*** Spring, Flora 21: 194. 1838.
Selaginella galeottii Spring
Global distribution: Mexico, Guatemala, Belize, Honduras, Costa Rica, Panama.
Source: Berendsohn (1989) 1: 24.

Selaginella tenella (P. Beauv.) Spring, Bull. Acad. Roy. Sci. Bruxelles 10: 234. 1843.
Diplostachium tenellum P. Beauv., *Lycopodium tenellum* (P. Beauv.) Desv. *ex* Poir., *Selaginella cladorrhizans* A. Braun, *S. subcaulescens* Baker
Local name: helecho tuya.
Global distribution: Mexico, Guatemala, Belize, Honduras, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Brazil.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & O.Rivera D. 1376 (B, LAGU); J.M. Rosales 1298 (B, BM, EAP, LAGU, MO); 1340 (B, LAGU). **La Libertad**: R. Villacorta 316 (B, EAP, LAGU, MO).

DIVISION EUPHYLOPHYTA, SUB-DIVISION MONILOPHYTA
ANEMIACEAE

Anemia guatemalensis Maxon, N. Amer. Fl. 16: 46. 1909.
Local name: petatillo.
Global distribution: Guatemala, Honduras, Nicaragua.
Salvadoran distribution: **Santa Ana**: B. Pfeiffer-Berendsohn & W. Berendsohn 15 (F, LAGU, MO); R. Villacorta *et al.* 1264 (B, ITIC, LAGU, MO). **Chalatenango**: D. Sloot & A. Reina 109 (MAG00538) (B, LAGU, U); L. Lara 220 (MHES); R. Seiler 562 (F, MHES). **Morazán**: J. Monterrosa & C. Rivera 712 (B, BM, LAGU, MO); R. Seiler 1050 (F, MHES).

Anemia hirsuta (L.) Sw., Syn. Fil. 156. 1806.
Osmunda hirsuta L., *Ornithopteris hirsuta* (L.) Bernh., *Anemia hirsuta* (L.) Sw. var. *achillaeifolia* M. Martens & Galeotti, *A. opaca* Fée
Local name: helecho pluma de perico.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Ahuachapán**: E. Sandoval *et al.* 484, 1317 (B, LAGU); F. Chinchilla s.n. (ISB00522) (AAU, B, LAGU); s.n. (ISB00501) (AAU, B, F, LAGU); s.n. (ISB00763) (B, LAGU); J.M. Rosales 898, 972, 1404 (AAU, B, BM, LAGU, MO); M. Sandoval & E. Sandoval 10, 39 (B, LAGU); R. Villacorta *et al.* 406 (B, LAGU, MO); 952 (B, LAGU); W. Berendsohn & E. Sandoval 1481 (B, LAGU). **Sonsonate**: R. Seiler 35 (F, MHES); R. Villacorta 2402 (AAU, B, LAGU). **Santa Ana**: B. Pfeiffer-Berendsohn 57 (B, LAGU, MO); M.L. Reyna de Aguilar 765 (MHES); R. Villacorta & H. Sipman 1270 (B, LAGU, MO). **La Libertad**: N. Ventura 5013 (ITIC); O. Rohweder s.n. (JBL01254) (LAGU). **San Salvador**: J. Lagos 1076 (ITIC); R. Seiler 69 (F, MHES); 445 (MHES); R. Villacorta & M.A. Sanabria 402 (B, LAGU, MO). **Chalatenango**: R. Seiler 366 (F, MHES); 553, 569 (MHES); R. Villacorta 2362 (B,

LAGU, MO). **La Paz**: E.A. Montalvo 6388 (AAU, B, ITIC, LAGU, MEXU, MO). **San Vicente**: N.C. Fassett 28348 (F). **Usulután**: D. Williams 217 (LAGU); 354 (B, LAGU, MO). **Cabañas**: J. Monterrosa & R. Carballo 295 (B, BM, LAGU, MO). **Morazán**: J. Monterrosa & C. Rivera 664 (B, BM, LAGU). **La Unión**: S. Calderón 2374 (F).

Anemia oblongifolia (Cav.) Sw., Syn. Fil. 156. 1806.
Osmunda oblongifolia Cav., *O. humilis* (Cav.) Sw., *Anemia oblongifolia* (Cav.) Sw. β *humilis* (Cav.) Hook., *A. pilosa* M. Martens & Galeotti α *brevistipes* Liebm., *A. cornea* Prantl, *A. seemannii* Hook.
Local name: helecho rosquilla pacha.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Argentina.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Pérez 1347 (B, LAGU, MO); W. Berendsohn & R. Villacorta 1383 (B, LAGU). **Sonsonate**: R. Seiler 36, 494 (MHES); 73 (MHES). **Santa Ana**: O. Rohweder s.n. (JBL01255), s.n. (JBL01257), 2660 (JBL01256) (LAGU). **San Salvador**: E.A. Montalvo 3775 (ITIC). **Chalatenango**: L. Lara s.n. (JBL02202) (B, LAGU); 77 (MHES); R. Seiler 558 (F, MHES); S. Calderón 2474 (F). **Usulután**: D. Williams 140 (B, LAGU, MO). **Morazán**: J. Monterrosa & M. Rivera 602 (BM, LAGU); K. Sidwell *et al.* 773 (B, BM, ITIC, LAGU, MO); M. Renderos *et al.* 629 (AAU, B, LAGU, MO); R. Villacorta *et al.* (B, BM, LAGU, MO).

Anemia pastinacaria Moritz *ex* Prantl, Unters. Morph. Gefasskrypt. 2: 110. 1881.
Anemia pilosa M. Martens & Galeotti β *longistipes* Liebm., *A. longistipes* (Liebm.) C. Chr., *A. helveola* Fée
Local names: petatillo.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: B. Pfeiffer-Berendsohn 60 (LAGU, MO); R. Seiler 134 (MHES). **San Salvador**: R. Seiler 205b, 782 (F, MHES). **Chalatenango**: D. Sloot & A. Reina 183 (MAG00612) (B, LAGU, U); R. Seiler 145 (F, MHES); 565 (MHES). **Morazán**: J. Monterrosa & C. Rivera 665 (BM, LAGU).

Anemia phyllitidis (L.) Sw., Syn. Fil. 155. 1806.
Osmunda phyllitidis L., *Anemidictyon phyllitidis* (L.) J. Sm.
Local names: helecho cola de ratón, helecho de montaña.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina, Uruguay.
Salvadoran distribution: **Ahuachapán**: B. Smalla & N. Kilian 81 (B, LAGU); E. Sandoval & H. Rivera 1319 (B, LAGU); J.M. Rosales 1005 (B, LAGU); M. Sandoval & E. Sandoval 53 (B, LAGU); R. Villacorta *et al.* 876 (B, LAGU); 955 (B, ITIC, LAGU, MO). **Santa Ana**: J. Monterrosa *et al.* 260 (B, BM, LAGU, MO); 674 (B, BM, LAGU); 921 (LAGU); 1027 (B, LAGU, NY); R. Villacorta 2172 (LAGU). **San Salvador**: M.C. Carlson 332 (F); R. Seiler 65, 781 (F, MHES). **Chalatenango**: R. Seiler 566 (MHES); 570 (F, MHES). **Usulután**: A.K. Monro *et al.* 3004 (B, BM, ITIC,

LAGU, MO); D. Williams 127, 131 (LAGU); 302 (LAGU, MO). **Morazán**: J. Monterrosa & C. Rivera 674 (B, BM, LAGU); R. Seiler 1087 (F); 1090 (F, MHES).

● ***Anemia salvadorensis*** Mickel, Amer. Fern. J. 74: 113. 1984.
Local names: helecho de rosa, helecho plumerillo.
Global distribution: Endemic.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 556 (B, LAGU); F. Chinchilla s.n. (ISB00541) (B, LAGU); s.n. (ISB00542) (LAGU); W. Berendsohn *et al.* 1395 (B, LAGU, MO); R. Seiler 947 (MHES, NY).

ASPLENIACEAE

Asplenium abscissum Willd., Sp. Pl., ed. 4, 5(1): 321. 1810.
Asplenium polymorphum M. Martens & Galeotti. Local name: helecho quezalio.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, French Guyana; Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil, Bolivia, Uruguay, Paraguay.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 41 (LAGU); G. Davidse *et al.* 37420 (B, BM, ITIC, LAGU, MO); R. Seiler 901 (F, ITIC, MHES). **Sonsonate**: R. Seiler 619, 623 (F, MHES). **Santa Ana**: R. Seiler 111, 182, 363 (F, MHES).

Asplenium achilleifolium (M. Martens & Galeotti) Liebm., Kongel. Danske Vidensk. Selsk. Skr., Naturvidensk. Math. Afd. Ser. 51: 249. 1849.
Caenopteris achilleifolia M. Martens & Galeotti, *Athyrium conchatum* Fée, *Asplenium conchatum* (Fée) T. Moore, *A. grande* Fée
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Peru.
Salvadoran distribution: **Sonsonate**: A. Molina *et al.* 21623 (F); R. Seiler 624 (F, MHES). **Santa Ana**: J. Tucher 1248 (F); M.B. Siu s.n. (ITIC); M.L. Reyna de Aguilar 762 (MHES); R. Seiler 468 (F, MHES); R. Seiler 469 (F, ITIC, MHES); R. Seiler 269 (ITIC (F, LAGU (photo), NY)); R. Seiler 872 (ITIC); S. Winkler 37 (ITIC). **San Salvador**: M.C. Carlson 417 (F); R. Seiler 346 (F, ITIC, MHES).

Asplenium alatum Humb. & Bonpl. *ex* Willd., Sp. Pl. ed. 4, 5(1): 319. 1810.
Global distribution: Mexico, Guatemala, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: R. Seiler 309 (MHES). R. Seiler 465 (F, LAGU (photo), NY).

Asplenium auriculatum Sw., Kongl. Vetensk. Acad. Handl. 38: 68. 1817.
Asplenium salicifolium L. *var. auriculatum* (Sw.) Proctor, *A. semicordatum* Raddi, *A. pimpinellifolium* Fée & Schaffner *ex* Fée
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Salvadoran distribution: **Ahuachapán**: D. Witsberger 686 (MHES); E. Sandoval & M. Sandoval 1423 (B, LAGU); R. Seiler 821, 823, 961 (F, MHES); 910 (F, ITIC, MHES); S. Winkler 6a (ITIC). **Sonsonate**: R. Seiler 615 (F, MHES). **Santa Ana**: A. Molina *et*

al. 12650, 16760, 16802a, 16806 (F; B). López s.n. (ITIC); B. Pfeiffer-Berendsohn 32, 36 (B, MO, LAGU); E.A. Montalvo 12 (ITIC); G. Cerén & D. Rodríguez s.n. (JBL04659) (B, LAGU, MO); G. Davidse *et al*. 37297 (B, BM, ITIC, LAGU, MO); J. Monterrosa & R. Carballo 554 (B, LAGU, MO); J. Tucker 1250 (F); K. Sidwell *et al*. 849 (B, BM, ITIC, LAGU, MO); M.C. Carlson 995, 999 (F); M.L. Reyna de Aguilar 685 (MHES); R. Seiler 92 (F, ITIC, MHES); 361, 646 (F, MHES); R. Villacorta 1121 (B, LAGU). **San Salvador**: M.C. Carlson 428 (F); R. Seiler 338 F (MHES). **Morazán**: R. Seiler 1037 (F, ITIC, MHES); 1061 (F, MHES).

Asplenium blepharophorum Bertol., Novi Comment. Acad. Sci. Inst. Bononiensis 4: 443. 1840.
Athyrium macrocarpon Fée, *Asplenium macrocarpon* (Fée) T. Moore, *A. myapteron* Fée, *A. commutatum* Mett. *ex* Kuhn, *A. onustum* Christ, *A. subvestitum* Copel.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles.
Salvadoran distribution: **Sonsonate**: R. Seiler 15 (F). **Santa Ana**: R. Seiler 11 (ITIC, MHES); 85 (F, MHES).

♦ ***Asplenium cirrhatum*** Rich. *ex* Willd., Sp. Pl., ed. 4, 5(1): 321.1810.
Asplenium radicans L. var. *cirrhatum* (Rich.) Rosenst.
Global distribution: Mexico, Belize, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, French Guyana, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: M.L. Reyna de Aguilar 848 (LAGU, MHES).

♦ ***Asplenium cristatum*** Lam., Encycl. 2: 310.1786.
Asplenium cicutarium Sw.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Guayanas y Galapagos, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al*. 1993 (B, BM, ITIC, LAGU, MO).

Asplenium cuspidatum Lam., Encycl. 2: 310.1786 .
Asplenium lacerum Schltdl. & Cham., *A. mexicanum* M. Martens & Galeotti, *A. fragrans* Sw. var. *mexicanum* (M. Martens & Galeotti) Christ, *A. auritum* Sw. var. *bipinnatifidum* Kunze, *A. pyramidatum* Liebm., *A. auritum* Sw. var. *bipinnatisectum* Mett.
Local name: helecho trensillo de altura.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia. Brazil and Paraguay.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al*. 2008 (B, BM, ITIC, LAGU, MO); D. Witsberger 687 (MHES); E.A. Montalvo 60 (ITIC); E. Sandoval & M. Sandoval 1292 (B, LAGU); R. Seiler 827, 911 (ITIC, MHES); 962 (F, MHES); 963 (MHES); W. Berendsohn & M. Sandoval 1633 (LAGU); W. Berendsohn *et al*. 1519 (B, LAGU). **Sonsonate**: R. Seiler 183 (F); 617 (MHES). **Santa Ana**: A. del Cid 1618 (ITIC); J. Monterrosa & R. Martínez 949 (B, LAGU, MO, NY); L. González 1617 (ITIC); M.L. Reyna de Aguilar 816 (MHES); R. Seiler 83, 183 (MHES); S. Winkler 47

(ITIC). **San Salvador**: R. Seiler 213 (ITIC, MHES). **Chalatenango**: R. Seiler 384 (JBL00083), 414 (JBL00084) (F, LAGU, MHES). **San Vicente**: R. Seiler 319 (MHES); 330 (F, MHES). **Usulután**: A. del Cid s.n. (ITIC); A.K. Monro, *et al.* 3010 (B, BM, ITIC, LAGU, MO); D. Williams 52, 137 (B, LAGU, MO); D. Williams & R.W. Herrera 299 (LAGU); E.A. Montalvo 5033, 5045 (ITIC). **Morazán**: R. Seiler 975 (F, ITIC, MHES); 1018, 1036 (MHES).

Asplenium feei Kunze *ex* Fée, Mém. Foug. 5: 194. 1852.
Asplenium sanguinolentum Kunze *ex* Mett., *A. sarcodes* Maxon
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Suriname, Brazil, Bolivia.
Salvadoran distribution: **San Salvador**: M. Carlson 428a (F).

Asplenium flabellulatum Kunze, Linnea 9: 71. 1834.
Asplenium flabellulatum Kunze var. *dentatum* Klotzsch, *A. radicans* L. var *dentatum* (Klotzsch) Bonap., *A. flabellulatum* Kunze var. *partitum* Klotzsch, *A. partitum* (Klotzsch) C. Chr., *A. radicans* L. var *partitum* (Klotzsch) Hieron
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Paraguay.
Salvadoran distribution: **Santa Ana**: M.L. Reyna de Aguilar 824 (MHES). **Chalatenango**: R. Seiler 406 (JBL00086) (F, LAGU, MHES).

Asplenium formosum Willd., Sp. Pl., ed. 4, 5(1): 329.1810.
Asplenium formosum Willd. var. *incultrum* H. Christ, *A. subalatum* Hook. & Arn.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina, Africa, S India, Sri Lanka.
Local names: helecho peine de niño, helecho peinetero, helecho de rosquilla.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 99, 541 (B, LAGU); E. Sandoval & F. Pérez 1264 (B, LAGU); R. Seiler 927 (F, MHES); R. Villacorta *et al.* 939 (B, LAGU); W. Berendsohn *et al.* 1401, 1432, 1611 (B, LAGU); W. Berendsohn *et al.* 1453 (LAGU). **Sonsonate**: R. Seiler 76 (F, MHES). **Santa Ana**: B. Pfeiffer-Berendsohn 18 (B, LAGU, MO); M. Magaña 28 (MP-00028) (LAGU); S. Winkler 14 (ITIC). **La Libertad**: E.A. Montalvo 6002 (ITIC); R. Seiler 713 (F, MHES). **San Salvador**: R. Seiler 49 (MHES). **Chalatenango**: J. Lagos 1720 (ITIC); L. Lara 234 (MHES); R. Seiler 146 (F, MHES); 372 (F, ITIC, MHES). **Usulután**: A. del Cid 1031 (ITIC); A.K. Monro *et al.* 3014 (B, BM, ITIC, LAGU, MO); D. Williams & R.W. Herrera 315 (LAGU, MO); D. Williams 503 (LAGU); L. González 1085 (ITIC). **Cabañas**: A.K. Monro *et al.* 3748 (B, BM, ITIC, LAGU, MO). **Morazán**: J. Monterrosa & C. Rivera 676 (B, BM, LAGU, MO); R. Seiler 1089 (F, MHES); S. Winkler 5 (ITIC).

Asplenium fragrans Sw., Prodr. 130. 1788.
Asplenium auritum Sw. var. *tripinnatum* E. Fourn., *A. cuspidatum* Lam. var. *tripinnatum* (E. Fourn.) C.V. Morton & Lellinger, *A. foeniculaceum* Kunth, *A. cuspidatum* Lam. var. *foeniculaceum* (Kunth) C.V. Morton & Lellinger, *A. coriifolium* Liebm.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama,

Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Chalatenango**: R. Seiler 151 (F, MHES); 422 (JBL00087) (F, ITIC, LAGU, MHES).

Asplenium harpeodes Kunze, Linnea 18: 329.1844.
Asplenium erectum Bory var. *harpeodes* (Kunze) Mett., *A. pendulum* Fée, *A. donnell-smithii* Christ . Local names: helecho llorón, quetzal silvestre.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 16802 (F); E.A. Montalvo 15b, 19 (ITIC); J. Monterrosa *et al.* 221 (B, BM, LAGU, MO); M.L. Reyna de Aguilar 1458 (LAGU); R. Seiler 120 (F, ITIC, MHES); R. Villacorta *et al.* 1039, 1281 (B, LAGU, MO); S. Winkler 2 (ITIC). **Chalatenango**: J. Tucker 1105 (F). **Morazán**: J.L. Linares & A. Pool 2285 (JBL01930) (LAGU); J.L. Linares & C. Peña H. 2749 (JBL01928) (LAGU).

Asplenium hoffmannii Hieron., Hedwigia 60: 258. 1918.
Asplenium membraniifolium Maxon
Local names: helecho de roca.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Trinidad and Tobago.
Salvadoran distribution: **Ahuachapán**: J.M. Rosales 1104 (B, LAGU, MO); J.M. Rosales 1233 (AAU, B, BM, LAGU, MO). **Sonsonate**: D. Rodríguez & M. Trejo 98 (B, BM, LAGU, MO), NY. **La Libertad**: R. Seiler 718 (F, MHES).

Asplenium laetum Sw., Syn. Fil. 79, 271. 1806.
Asplenium lugubre Liebm.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Salvadoran distribution: **Ahuachapán**: M. Sandoval & E. Sandoval 297 (B, F, LAGU).

Asplenium miradorense Liebm., Mexic. Bregn. 243. 1849.
Asplenium bradeorum Hieron., *A. schlechtendahlianum* Hieron., *A. standleyi* Maxon
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, y Brazil.
Salvadoran distribution: **Sonsonate**: A. Molina & E.A. Montalvo 21777 (JBL01478) (LAGU). **Morazán**: R. Seiler 1038 (F, MHES).

Asplenium monanthes L., Mant. Pl. 130.1767.
Asplenium monanthemum L., *A. arcuatum* Liebm., *A. obtusissimum* Fée, *A. galeotti* Fée, *A. leptophyllum* Fée, *A. curvatum* Fée
Global distribution: S USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Uruguay, Chile, Argentina, Africa, Hawaii.
Salvadoran distribution: **Ahuachapán**: F. Wunderling 1226 (ITIC); **Santa Ana**: B. Pfeiffer-Berendsohn 80 (LAGU, MO); G. Cerén & D. Rodríguez s.n. (JBL04646)

(LAGU); J. Monterrosa *et al.* 209, 908 (LAGU); J. Monterrosa *et al.* 931 (B, LAGU, MO, NY); M. B. Siu s.n. (ITIC); M.C. Carlson 724 (F); M.L. Reyna de Aguilar 673 (MHES); R. Seiler 313 (F, MHES). **San Salvador**: R. Seiler 210 (F, MHES); 516 (MHES). **Chalatenango**: R. Seiler 387 (JBL00088) (F, LAGU, MHES); R. Villacorta *et al.* 2073 (B, LAGU, MO); W. Berendsohn *et al.* 1572 (B, LAGU, MO). **San Vicente**: R. Seiler 331 (JBL04807) (F, LAGU, MHES).

◆ ***Asplenium monodon*** Liebm., Mexic. Bregn. 247. 1849.
Asplenium auritum Sw. var. *monodon* (Liebm.) E. Fourn.
Global distribution: USA, Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Venezuela, Colombia, Trinidad and Tobago, Ecuador.
Salvadoran distribution: **Santa Ana**: R. Seiler 466 (MHES).

Asplenium polyphyllum Bertol., Novi Comment. Acad. Sci. Inst. Bononiensis 4: 443. 1840.
Asplenium polymeris T. Moore, *A. bertolonii* Donn. Sm., *A. trichomanes* L. var. *viridissimum* Christ, *A. viridissimum* J. Bommer *ex* Christ
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: B. Pfeiffer-Berendsohn 41 (LAGU, MO); J. Monterrosa & R. Carballo 252 (B, BM, LAGU, MO); J. Monterrosa & R. Carballo 837 (B, LAGU, MO); M.L. Reyna de Aguilar 764 (MHES); R. Seiler 464 (F, MHES); R. Villacorta & L. Lara 2663 (B, LAGU, MO); V.M. Martínez s.n. (CMC01046) (B, LAGU, MO); L. Lara 238 (MHES). **Chalatenango**: R. Seiler 160 (F, ITIC, MHES).

Asplenium potosinum Hieron., Hedwigia 60: 247.1918.
Asplenium regulare Sw. var. *latior* E. Fourn., *A. lunulatum* Sw. var. *latius* E. Fourn., *A. hesperium* Mickel & Beitel
Local names: helecho cola de pavo real.
Global distribution: Mexico, Guatemala.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 40 (LAGU, MO); R. Seiler 824 (JBL04817) (F, ITIC, LAGU, MHES); R. Seiler 903 (F, ITIC, MHES); 955 (F, MHES); W. Berendsohn & E. Sandoval 1513 (B, LAGU). **Usulután**: A.K. Monro *et al.* 3008, 3015 (B, BM, ITIC, LAGU, MO); D. Williams 53 (LAGU, MO); D. Williams 413 (LAGU).

Asplenium praemorsum Sw., Prodr. 130. 1788.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Ahuachapán**: M. Magaña 33 (MP-00018) (LAGU); R. Seiler 819 (F, MHES). **Morazán**: R. Seiler 1035 (F); 1072 (F, MHES).

▸ ***Asplenium pulchellum*** Raddi, Opusc. Sci. 3: 291.1819.
Asplenium pulchellum Raddi var. *subhorizontale* Rosenst.
Global distribution: Mexico, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Source: Seiler (1982): 387; Berendsohn (1989): 5; Mickel & Smith (2004): 114.

Asplenium pumilum Sw., Prodr. 129. 1788.
Asplenium anthriscifolium Jacq., *A. leucothrix* Maxon, *Athyrium verapax* Christ
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil, Bolivia, Africa.
Salvadoran distribution: **Sonsonate**: M.L. Reyna de Aguilar 1453 (LAGU); R. Seiler 74 (MHES); 495 (F, MHES). **Santa Ana**: R. Seiler 703 (MHES). **San Salvador**: R. Seiler 582 (F, MHES). **Usulután**: A. del Cid 1785 (ITIC); J. Lagos 1786 (ITIC).

Asplenium seileri C.D. Adams, Novon 2: 291.1992.
Global distribution: Mexico, Guatemala, Costa Rica.
Salvadoran distribution: **Ahuachapán**: A. Molina *et al.* 21797 (ITIC); G. Davidse *et al.* 37372 (B, BM, ITIC, LAGU, MO); R. Seiler 957, (F, MHES). **Sonsonate**: R. Villacorta 751 (LAGU).

Asplenium serra Langsd. & Fischer, Pl. Voy. Russes Monde I: 16.1810.
Asplenium serra Langsd. & Fischer var. *incurvatum* H. Christ, *A. insigne* Liebm., *A. progrediens* Fée
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil, Bolivia, Paraguay, Uruguay.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 16755 (F); J. Monterrosa & R. Carballo 860 (B, LAGU, MEXU, MO); R. Seiler 106, 191b (F, MHES); 114 (MHES); 192 (F); V.M. Martínez s.n. (CMC01095) (B, EAP, LAGU, MO). **Chalatenango**: J. Tucker 1045 (F); R. Seiler 424 (F, MHES); W. Berendsohn *et al.* 1574 (B, LAGU, MO).

Asplenium sessilifolium Desv. var. ***sessilifolium***, Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesammten Naturk. 5: 322.1811.
Asplenium sessilifolium Desv. var. *guatemalense* Hieron.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Sonsonate**: R. Seiler 625 (F, MHES). **Santa Ana**: A. Molina & E.A. Montalvo 21512 (JBL01516) (F, LAGU); B. Pfeiffer-Berendsohn 55 (LAGU, MO); J. Monterrosa & R. Martínez 936 (B, LAGU, MO, NY); R. Seiler 121 (JBL04803) (F, LAGU, MHES); R. Seiler 13 (ITIC, MHES); 84 (ITIC); 354 (F, ITIC, MHES). **Chalatenango**: L. Lara 233 (MHES); R. Seiler 378 (JBL00085) (F, LAGU, MHES).

Asplenium tenerrimum Mett. *ex* Kuhn, Linnea 36: 97. 1869.
Asplenium cuspidatum Lam. var. *tenerrimum* (Mett. *ex* Kuhn) C.V. Morton & Lellinger, *A. fournieri* Kuhn *ex* E. Fourn.
Global distribution: Mexico, Honduras, Nicaragua, Colombia, Venezuela, Ecuador.
Salvadoran distribution: **Santa Ana**: R. Seiler 545 (F).

♦***Asplenium theciferum*** (Kunth) Mett., Ann. Sci. Nat. Bot. sér. 5, 2: 227. 1864.
Davallia thecifera Kunth, *D. lindenii* Hook., *Darea thecifera* (Kunth) E. Fourn., *Loxoscaphe lindenii* (Hook.) T. Moore, *L. thecifera* (Kunth) T. Moore
Global distribution: Mexico, Honduras, Nicaragua, Costa Rica, Panama, Antilles,

Colombia, Venezuela, Ecuador, Peru, Bolivia, Brazil, Africa.
Salvadoran distribution: **Santa Ana**: J.L. Linares 391 (JBL01410) (LAGU).

Asplenium virillae Christ, Bull. Herb. Boissier, sér. 2, 4: 1090. 1904.
Asplenium alfredii Rosenst.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Colombia, Venezuela.
Salvadoran distribution: ***Sin loc:*** P. Standley 19774, US (fide Adams, 1995). **Santa Ana:** J. Monterrosa *et al.* 1457 (BM, LAGU, MO, NY): 130.

BLECHNACEAE

Blechnum appendiculatum Willd., Sp. Pl., ed. 4, 5(I): 410. 1810.
Blechnum glandulosum Kaulf. *ex* Link, *B. meridionale* C. Presl, *B. occidentale* L. var. *minor* Hook., *B. occidentale* L. var. *pubirhachis* Rosenst.
Local names: helecho esqueleto de pescado, petatillo.
Global distribution: USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1994 (B, BM, ITIC, LAGU, MO); F. Pérez s.n. (ISB00003) (B, LAGU, MO); G. Davidse *et al.* 37417 (B, BM, ITIC, LAGU, MO); J.G. Sandoval *et al.* s.n. (ISB00027) (B, LAGU, MO), US; K. Sidwell *et al.* 814 (B, BM, ITIC, LAGU, MO); S. Castillo s.n. (ISF00594) (B, F, LAGU, MO). **Sonsonate**: R. Villacorta & A. González 693 (B, LAGU, MO). **Santa Ana**: B. Pfeiffer-Berendsohn 65 (LAGU, MO); D. Rodríguez & G. Cerén s.n. (JBL04618) (LAGU); E.A. Montalvo 3654 (ITIC); J. Monterrosa *et al.* 907 (B, LAGU, MO, NY); M.B. Siu s.n. (ITIC); M.L. Reyna de Aguilar 684 (MHES); R. Seiler 349, 477 (F, MHES); V.M. Martínez s.n. (CMC01096) (B, EAP, LAGU, MO). **La Libertad**: A. Mangandi *et al.* s.n. (JBL04492) (LAGU); A.K. Monro *et al.* 2276, 3086 (B, BM, ITIC, LAGU, MO); J.C. González 415 (B, LAGU); M. Renderos *et al.* 412 (LAGU). **San Salvador**: A.K. Monro *et al.* 2217, 2223 (B, BM, ITIC, LAGU, MO, L).O. Williams *et al.* 15232 (F); M.C. Carlson 329 (F); R. Seiler 29 (F, MHES). **Chalatenango**: D. Sloot & A. Reina 216 (MAG00645), 433 (MAG00862) (LAGU, U); L. Lara 218, 225 (MHES); M. Renderos & R. Villacorta 141 (B, LAGU); R. Seiler 413 (JBL00091) (LAGU, MHES); W. Heed 26 (ITIC). **San Vicente**: E.A. Montalvo 4615, 4618 (ITIC). **Usulután**: L. González 1089, 1787 (ITIC). **San Miguel**: K. Sidwell *et al.* 885 (B, BM, ITIC, LAGU, MO); M. Renderos *et al.* 687 (LAGU, MO). **Cuscatlán**: S. Dar s.n. (JBL03666) (LAGU, MO). **Morazán**: J. Monterrosa & M. Rivera 615 (B, BM, LAGU); J. Tucker 608 (F).

Blechnum appendiculatum Willd. **x** ***Blechnum gracile*** Kaulf
Global distribution: Mexico, Honduras, Nicaragua, Colombia, Venezuela.
Salvadoran distribution: **Santa Ana**: R. Seiler 763 (MHES). **Chalatenango**: L. Lara 209 (MHES).

Blechnum* x *caudatum Cav., Descr. Pl. 262. 1802.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Suriname, Ecuador, Peru, Brazil.

Salvadoran distribution: **Santa Ana**: B. Pfeiffer-Berendsohn 59 (B, LAGU, MO); C. Salazar s.n. (ITIC). **Morazán**: A.K. Monro *et al.* 3804 (B, BM, ITIC, LAGU, MO); J. Monterrosa & R. Carballo 794 (LAGU).
Note: Blechnum x caudatum is a hybrid between *Blechnum gracile* y *B. occidentale* (Mickel & Smith 2004: 146, Fig.: 55C).

Blechnum divergens (Kunze) Mett., Ann. Sci. Nat. Bot., sér. 5, 2: 255.1864.
Lomaria divergens Kunze, *L. exaltata* Fée, *Struthiopteris exaltata* (Fée) Broadh.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: R. Seiler 765, 892 (F, MHES); 1156, F (ITIC).

Blechnum ensiforme (Liebm.) C.Chr., Index Filic. 153: 1905.
Lomaria ensiformis Liebm., *Struthiopteris ensiformis* (Liebm.) Maxon
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Guayana, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: G. Cerén & D. Rodríguez s.n. (JBL04660) (LAGU); R. Seiler 299 (F, MHES). **Chalatenango**: R. Seiler 389 (JBL00092) (F, LAGU, MHES). **Morazán**: R. Seiler 1026 (F, ITIC, MHES).

Blechnum falciforme (Liebm.) C. Chr., Index Filic. 154. 1905.
Lomaria falciformis Liebm., *L. deflexa* Liebm., *Struthiopteris falciformis* (Liebm.) Broadh.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Colombia, Ecuador.
Salvadoran distribution: **Sonsonate**: R. Seiler 632 (F, MHES). **Santa Ana**: A. Hernández s.n. (ITIC); M.C. Carlson 725, 891, 952 (F); R. Seiler 348, 478 (MHES); 863 (F, ITIC, MHES). **Chalatenango**: N. Ventura 5026 (ITIC); R. Seiler 409 (MHES). **Morazán**: R. Seiler 990 (F, MHES).

Blechnum fragile (Liebm.) C.V. Morton & Lellinger, Amer. Fern J. 57: 68. 1967.
Lomaria fragilis Liebm., *L. polypodioides* (Sw.) Desv., *L. onocleoides* (Sw.) Spreng., *L. mexicana* Fée, *Blechnum binervatum* (Poir.) C.V. Morton & Lellinger subsp. *fragile* (Liebm.) R.M. Tryon & Stolze, *B. onocleoides* Sw., *B. polypodioides* (Sw.) Kuhn, *Osmunda polypodioides* Sw.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: R. Seiler 654 (F, MHES). **Morazán**: R. Seiler 1041 (F, ITIC, MHES).

Blechnum gracile Kaulf., Enum. Filic. 158. 1824.
Blechnum intermedium Link., *B. subdimorphum* Copel., *B. fraxineum* auct., *non* Willd.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina.
Salvadoran distribution: **Chalatenango**: M.B. Siu s.n. (ITIC); M.C. Carlson 594 (F); R. Seiler 572 (F, ITIC); (MHES). **Cabañas**: A.K. Monro *et al.* 3746 (B, BM, ITIC, LAGU, MO). **Morazán**: R. Seiler 1083 (F, ITIC, MHES).

Blechnum lehmannii Hieron., Bot. Jahsb. Syst. 34: 473. 1904.
Blechnum l'herminieri (Bory) C. Chr. subsp. *lehmannii* (Hieron) Lellinger. *Struthiopteris maxonii* Broadh.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Sonsonate**: J.L. Linares & C.A. Martínez 3033 (JBL01933) (LAGU). **Santa Ana**: F. Wunderling 1245 (ITIC); G. Cerén & D. Rodríguez s.n. (JBL04650) (LAGU); R. Seiler 894 (F, ITIC, MHES). **Morazán**: R. Seiler 979, 1039,F (ITIC, MHES).

Blechnum occidentale L., Sp. Pl. 2: 1077. 1753.
Local names: helecho esqueleto de pescado.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1929, 2984 (B, BM, ITIC, LAGU, MO); A. Sermeño 98 (JBL00999) (B, LAGU, MEXU, MO); E. Sandoval & M. Sandoval 864 (B, LAGU); J.M. Rosales 1188 (B, LAGU, MO); 1715, 1723 (B, BM, LAGU, MO); M. Magaña 19 (MP-00032) (LAGU); M. Sandoval & E. Sandoval 136 (B, F, LAGU); R. Villacorta 622 (B, LAGU, MO); S. Castillo & B.A. Martínez s.n. (ISF00406) (AAU, F, LAGU); W. Berendsohn *et al.* 1316, 1368, 1382, 1393 (B, LAGU, MO). **Sonsonate**: D. Rodríguez & G. Trejo 203 (LAGU). **Santa Ana**: G. Davidse *et al.* 37226 (B, BM, ITIC, LAGU, MO); J. Monterrosa & R. Carballo 509 (LAGU); K. Prestegard 10 (MP-00031) (LAGU); M.L. Reyna de Aguilar *et al.* 1439 (B, ITIC, LAGU, MO). **La Libertad**: F. Wunderling 461 (ITIC); N. Ventura 5001, 5004 (ITIC); O. Tejada *et al.* s.n. (JBL04504) (LAGU); R.Guerra *et al.* s.n. (JBL04502) (LAGU); R.Menjivar & J. Sermeño s.n. (JBL04483) (LAGU). **San Salvador**: M.C. Carlson 4a (ITIC); R. Seiler 457 (F, MHES); 783 (F, ITIC, MHES). **Chalatenango**: E.A. Montalvo 30, 3202, 3778 (ITIC); L. Lara 498 (MHES); M.B. Siu s.n. (ITIC). **Usulután**: D. Williams 54 (LAGU, MO). **San Miguel**: A.K. Monro *et al.* 2944 (B, BM, ITIC, LAGU, MO); A. Salgado 66 (MHES). **Cuscatlán**: E.A. Montalvo 3312 (ITIC). **Cabañas**: A.K. Monro & K. Sidwell 2778 (B, BM, ITIC, LAGU, MO); G. Davidse *et al.* 37083 (B, BM, ITIC, LAGU, MO). **Morazán**: J. Monterrosa *et al.* 45 (B, LAGU, MO).

Blechnum polypodioides Raddi, Opusc. Sci. 3: 294.1819, *non* (Sw.) Kuhn, 1868.
Asplenium blechnoides Lag. *ex* Sw., *Blechnum unilaterale* Sw., *B. blechnoides* (Lag. *ex* Sw.) C. Chr., *B. scabrum* Liebm., *B. angustifrons* Fée
Local names: helecho peineta amarilla.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina.
Salvadoran distribution: **Ahuachapán**: W. Berendsohn *et al.* 1469 (LAGU). **Chalatenango**: M.B. Siu s.n. (ITIC); L. Lara 230 (MHES); R. Seiler 564 (MHES); 571 (F, MHES). **Usulután**: D. Williams 55 (LAGU, MO). **Morazán**: J. Monterrosa & C. Rivera 690 (B, BM, LAGU); J. Tucker 643 (F).

Blechnum schiedeanum (Schltdl. *ex* C. Presl) Hieron., Hedwigia 47: 239. 1908.
Lomaria schiedeana Schltdl. *ex* C. Presl, *L. spectabilis* Liebm., *L. longifolia* Schltdl. *ex* M. Martens & Galeotti, *L. danaeacea* Kunze, *L. acrodonta* Fée, *L. varians* E. Fourn., L. *costaricensis* H. Christ, *Struthiopteris costaricensis* (H. Christ) Broadh., *Blechnum danaeaceum* (Kunze) Christ, *B. varians* (E. Fourn.) C. Chr., *B. costaricensis* (H. Christ) C. Chr.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Ahuachapán**: B. Pfeiffer-Berendsohn 51 (B, LAGU, MO); 53 (B, LAGU); J. Monterrosa & R. Carballo 262 (B, LAGU, MO); R. Seiler 196, 681 (F, MHES). **Santa Ana**: A. Hernández s.n. (ITIC). **Morazán**: R. Seiler 1034 (F, ITIC, MHES); 1051 (F, MHES).

▸ ***Blechnum serrulatum*** Rich., Actes Soc. Hist. Nat. Paris I: 114. 1792.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina, Australia.
Sources: Calderón & Standley (1941): 30; Seiler (1982): 389; Berendsohn (1989), 1: 6; Moran in Davidse *et al.* (1995): 330; Mickel & Smith (2004): 151.

Blechnum stoloniferum (Mett. *ex* E. Fourn.) C. Chr., Index Filic. 154. 1905.
Lomaria stolonifera Mett. *ex* E. Fourn., *L. ghiesbreghtii* Baker, *Struthiopteris stolonifera* (Mett. *ex* E. Forun.) Broadh., *Blechnum ghiesbreghtii* (Baker) C. Chr.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica.
Salvadoran distribution: **Santa Ana**: R. Seiler 678 (F); 780 (MHES). **Chalatenango**: R. Seiler 731 (F, MHES).

Blechnum wardiae Mickel & Beitel, Mem. New York Bot. Gard. 46: 89. 1988.
Global distribution: Mexico, Nicaragua, Costa Rica, Panama, Colombia, Ecuador.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 16837 (F); E.A. Montalvo 17 (ITIC).

▸ ***Woodwardia semicordata*** Mickel & Beitel, Mem. New York Bot. Gard. 46: 403. 1988, pro hybr.
Global distribution: Mexico, Costa Rica.
Source: Mickel & Smith (2004): 694.

Woodwardia spinulosa M. Martens & Galeotti, Mém. Foug. Mexique 64. 1842.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua.
Salvadoran distribution: **Santa Ana**: G. Davidse *et al.* 37216 (B, BM, ITIC, LAGU, MO); V.M. Martínez s.n. (CMC00979) (B, LAGU, MO); s.n. (CMC01024) (B, BM, EAP, LAGU, MO); R. Seiler 471 (F, MHES); W. Berendsohn *et al.* 1679 (LAGU). **Chalatenango**: R. Seiler 727 (MHES). **Morazán**: R. Seiler 1002 (F); 1027 (F, MHES).

CIBOTIACEAE

Cibotium regale Verschaff. & Lem., Ill. Hort. 15: under pl. 548 (F). 1868.
Cibotium guatemalense Rchb. f. *ex* Kuhn, *C. wendlandii* Mett. *ex* Kuhn

Local names: cabeza de niño.
Global distribution: Mexico, Guatemala, Belize, Honduras.
Salvadoran distribution: R. Seiler 151, MO (fide B. Pérez-García in Davidse *et al.* 1995). **Santa Ana**: R. Seiler 186 (MHES); 304 (F, ITIC, MHES). **La Libertad**: K. Prestegard 36 (MP-00025) (LAGU). **Usulután**: D. Williams & R.W. Herrera 471 (B, LAGU, MEXU, MO).
Note: listed as 'at risk' by MARN, 2004.

CULCITACEAE

Culcita coniifolia (Hook.) Maxon, Annual Rep. Board Regents Smithsonian Inst. 1911: 488, t. 13C. 1912.
Dicksonia coniifolia Hook.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: Molina R. 12682, GH (Pérez-García in Davidse *et al.* 1995). **Santa Ana**: A. Molina *et al.* 12682 (F); R. Seiler 485 (F, ITIC, MHES); 1129 (F, ITIC); L. Lara 279 (MHES).
Note: listed as 'at risk' by MARN, 2004.

CYATHEACEAE

Alsophila firma (Baker) D. S. Conant, J. Arnold Arbor. 64: 372. 1983.
Cyathea firma (Baker) Domin, *C. mexicana* Schltdl. & Cham., *C. trejoi* Christ, *C. articulata* Fée, *Nephelea mexicana* (Schltdl. & Cham.) R. M. Tryon
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Ecuador.
Local names: helecho de espina, helecho cuerpo espín
Salvadoran distribution: **Ahuachapán**: M. Sandoval & E. Sandoval 9 (B, LAGU); W. Berendsohn *et al.* 1455 (B, LAGU).

Alsophila salvinii Hook. *in* Hooker & Baker, Syn. Fil. 36. 1866.
Cyathea salvinii (Hook.) Domin, *Alsophila muenchii* Christ
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Peru.
Salvadoran distribution: R. Seiler 899, MO (Riba in Davidse *et al.* 1995). **Santa Ana**: A. Molina *et al.* 16749 (F); R. Seiler 296 (F, ITIC, MHES).
Note: Listed as 'threatened' by MARN, 2004.

Alsophila tryoniana (Gastony) D.S. Conant, J. Arnold Arbor. 64: 371. 1983.
Nephelea tryoniana Gastony
Global distribution: Mexico, Guatemala, Honduras, Nicaragua.
Salvadoran distribution: R. Seiler 1154, MO (Riba in Davidse *et al.* 1995). **Santa Ana**: R. Seiler 236, 300 (F, ITIC, MHES). **Morazán**: R. Seiler 976 (F, ITIC, MHES).
Note: Listed as 'threatened' by MARN, 2004.

Cyathea bicrenata Liebm., Mexic. Bregn. 289 (reprint 137). 1849.
Alsophila bicrenata (Liebm.) E. Fourn., *A. scabriuscula* Maxon, *Trichipteris bicrenata* (Liebm.) R. M. Tryon, *T. scabriuscula* (Maxon) R. M. Tryon

Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Santa Ana**: R. Seiler 301 (F, ITIC, MHES).
Note: Listed as 'at risk' by MARN, 2004; listed as Apendix II by CITES.

Cyathea costaricensis (Mett. *ex* Kuhn) Domin, Acta Bot. Bohem. 9: 107. 1930.
Hemitelia costaricensis Mett. *ex* Kuhn, *Trichipteris costaricensis* (Mett. *ex* Kuhn) Barrington . Local name: helecho pescuezo de violín.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Ahuachapán**: K. Prestegard 18 (MP-00026) (LAGU); R. Seiler 929 (F, MHES); W. Berendsohn *et al.* 1352, 1414 (B, LAGU, MO). **Sonsonate**: J. Tucker 1355 (F). **Santa Ana**: S. Winkler s.n. (ITIC). **La Libertad**: A.K. Monro *et al.* 2307 (B, BM, ITIC, LAGU, MO). **San Salvador**: R. Seiler 224, 368, 535, 787 (F, MHES).
Note: Listed as 'at risk' MARN, 2004; listed as Apendix II by CITES.

Cyathea divergens Kunze var. ***divergens***, Linnaea 9: 100. 1834
Alsophila subaspera H. Christ, *C. divergens* var. *hirta* I. Losch, *C. divergens* var. *minor* Rosenst., *C. pelliculosa* H. Christ, *C. subaspera* (H. Christ) Domin.
Global distribution: Costa Rica, Panama, Colombia, Venezuela, Guayana, Suriname, Ecuador, Peru.
Salvadoran distribution: **Santa Ana**: R. Seiler 778 (F, ITIC, MHES).
Note: This species is cultivated at Los Planes, Montecristo national park (Pers. Obs.).

Cyathea divergens var. ***tuerckheimii*** (Maxon) R.M. Tryon, Contr. Gray Herb. 206: 56. 1976.
Cyathea tuerckheimii Maxon, *Cyathea juergensenii* E. Fourn.
Global distribution: Mexico, Belice, Guatemala, Nicaragua.
Salvadoran distribution: **Santa Ana**: J.Monterrosa & D.Rodríguez 1539 (LAGU); R. Seiler 276 (MHES). **Morazán**: R. Seiler 980 (F, MHES).
Note: Listed as 'at risk' MARN, 2004; listed as Apendix II by CITES.

▸ ***Cyathea fulva*** (M. Martens & Galeotti) Fée, Mém. Foug. 9: 34. 1857.
Alsophila fulva M. Martens & Galeotti, *Cyathea delicatula* Maxon, *C. compersa* H. Christ, *C. furfuracea* H. Christ, *C. mollis* Rosenst., *C. molliuscula* Domin, *C. onusta* H. Christ, *C. papyracea* H. Christ, *C. underwoodii* H. Christ
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Ecuador.
Note: Listed as Apendix II by CITES.
Sources: Mickel & Smith (2004): 237.

Cyathea godmanii (Hook.) Domin, Pterid. Dominica 262. 1929.
Alsophila godmanii Hook., *A. mexicana* Mart., *Cyathea mexicana* Schldtl. & Cham., *C. valdecrenata* Domin, *Trichipteris mexicana* (Mart.) R.M. Tryon
Global distribution: Mexico, Guatemala, Honduras, Panama.
Salvadoran distribution: **Santa Ana**: R. Seiler 243 (F, ITIC, MHES).
Note: Listed as 'threatened' by MARN, 2004; listed as Apendix II by CITES.

Cyathea schiedeana (C. Presl) Domin, Pterid. Dominica 263. 1929.
Alsophila schiedeana C. Presl, *A. crassifolia* H. Christ, *A. chnoödes* H. Christ, *Cyathea chnoödes* (H. Christ) Domin, *Trichipteris schiedeana* (C. Presl) R.M. Tryon, *T. crassifolia* (H. Christ) Gastony
Global distribution: Mexico, Belize, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia.
Salvadoran distribution: **Santa Ana**: J. Monterrosa & R. Carballo 848 (LAGU); R. Seiler 172, 237 (F, MHES). **Chalatenango**: J. Tucker 1129 (F); R. Seiler 760 (F, MHES). **Morazán**: J. Tucker 788 (F); R. Seiler 1082 (F, ITIC, MHES).
Note: Listed as 'threatened' by MARN, 2004; listed as Apendix II by CITES.

Sphaeropteris horrida (Liebm.) R.M. Tryon, Contr. Gray Herb. 200: 20. 1970, *non Cyathea horrida* (L.) Sm.
Cibotium horridum Liebm., *C. princeps* Linden *ex* J. Smith, *Cyathea princeps* E. Mayer, *C. bourgeaui* E. Fourn., *C. glauca* E. Fourn., *C. muenchii* Christ
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua.
Salvadoran distribution: **Santa Ana**: R. Seiler 242 (MHES), F (ITIC).
Note: Listed as 'at risk' by MARN, 2004.

DENNSTAEDTIACEAE

Dennstaedtia bipinnata (Cav.) Maxon, Proc. Biol. Soc. Wash. 51: 39. 1938.
Dicksonia bipinnata Cav., *D. adiantoides* Humb. & Bonpl. *ex* Willd. Local name: helecho palma de paraiso.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Bolivia.
Salvadoran distribution: P.Standley 19760 (GH) (Moran in Davidse *et al.* 1995). **Ahuachapán**: E. Sandoval & F. Chinchilla 123 (LAGU); S. de Moore s.n. (12-909) (MHES). **San Salvador**: R. Seiler 1214 (F).

Dennstaedtia cornuta (Kaulf.) Mett., Ann. Sci. Nat. Bot., sér. 5, 2: 260. 1864.
Dicksonia cornuta Kaulf.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Argentina.
Salvadoran distribution: **Santa Ana**: R. Seiler 165, 271, 693, 1192 (F, MHES).

Dennstaedtia distenta (Kunze) T. Moore, Index Fil. 306. 1861.
Dicksonia distenta Kunze
Global distribution: Mexico, Guatemala, Costa Rica, Panama, Antilles.
Salvadoran distribution: Standley & Valerio 49449, GH (Moran in Davidse *et al.* 1995). **Morazán**: Tucker 726 (F).

♦ ***Dennstaedtia globulifera*** (Poir.) Hieron., Bot. Jahrb. Syst. 34: 455. 1904.
Polypodium globuliferum Poir., *Dicksonia globulifera* (Poir.) Kuntze, *Dennstaedtia gracilis* A. Rojas & Tejero
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Trinidad and Tobago, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina, Uruguay.

Salvadoran distribution: **San Salvador**: S. Winkler 74 (ITIC).

♦ ***Dennstaedtia spinosa*** Mickel, Amer. Fern J. 58: 90. 1968.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Ahuachapán**: W. Berendsohn *et al.* 1320 (B, LAGU, MO).
Note: This collection was cited as *Dennstaedtia cicutaria* (Moran in Davidse *et al.* 1995), however it posesses spines that are diagnostic for *D. spinosa*.

Histiopteris incisa (Thunb.) J. Sm., Hist. Fil. 295. 1875.
Pteris incisa Thunb., *Litobrochia incisa* (Thunb.) C. Presl
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Africa, Asia.
Salvadoran distribution: R. Seiler 1195 (UC) (Moran in Davidse *et al.* 1995). **Santa Ana**: A. Molina *et al.* 12534 (F); R. Seiler 253 (F, MHES). **Chalatenango**: J. Tucker 1122 (F).

Hypolepis blepharochlaena Mickel & Beitel, Mem. New York Bot. Gard. 46: 219. 1988.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 12528, 16775, 16885 (F); R. Seiler 249, 294 (F, MHES). **Chalatenango**: R. Seiler 427 (JBL00108) (LAGU, MHES).

Hypolepis bogotensis H. Karst., Fl. Columb. 2: 91. 1865.
Dennstaedtia munchii H. Christ, *Hypolepis flexuosa* Sodiro
Global distribution: Mexico, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Chalatenango**: Tucker 1121 (F).

Hypolepis nigrescens Hook., Sp. Fil. 2: 66, t. 90C. 1852.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: J.Monterrosa & D.Rodríguez 1532 (LAGU)

Hypolepis repens (L.) C. Presl, Suppl. Tent. Pterid. 162. 1836.
Lonchitis repens L., *Cheilanthes repens* (L.) Kaulf., *Hypolepis mexicana* Liebm.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: Tucker 1303 (F, LAGU (photo), NY).

Pteridium aquilinum var. **feei** (W. Schaffn. *ex* Fée) Maxon *ex* Yunck., Publ. Field Mus. Nat. Hist., Bot. Ser. 17: 308. 1938.
Pteris feei W. Schaff. *ex* Fée, *Pteridium feei* (W. Schaffn. *ex* Fée) Faull
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Santa Ana**: R. Seiler 777 (F, MHES). **Chalatenango**: R. Seiler 417 (JBL00109) (F, LAGU, MHES). **Morazán**: J. Tucker 696 (F); R. Seiler 1058 (F, MHES).

Note: An invasive species that has been responsible for the poisoning of cattle throughout the country (Ministerio de Ganaderia, Pers. Comm., 2005).

Pteridium arachnoideum (Kaulf.) Maxon, J. Wash. Acad. Sci. 14: 89. 1924.
Pteris arachnoidea Kaulf., *P. aquilina* L. var. *arachnoidea* (Kaulf.) D. C. Eaton, *Pteridium aquilinum* (L.) Kuhn var. *arachnoideum* (Kaulf.) Brade, *P. caudatum* (L.) Maxon subsp. *arachnoideum* (Kaulf.) Lellinger .
Local name: helecho petatillo
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina, Uruguay.
Salvadoran distribution: **Ahuachapán**: D. Witsberger 665 (MHES); E. Sandoval & F. Chinchilla 429 (B, LAGU); R. Seiler 665 (MHES). **Santa Ana**: R. Seiler 306 (F, MHES). **Chalatenango**: D. Sloot & A. Reina 310 (MAG00739) (LAGU, U); R. Seiler 266 (F, MHES). **San Vicente**: R. Seiler 333 (MHES). **Morazán**: R. Seiler 1093 (F); 1094 (F, MHES).

Pteridium caudatum (L.) Maxon, Proc. U.S. Natl. Mus. 23: 631. 1901.
Pteris caudata L., *P. aquilina* L. var. *caudata* (L.) Link, *P. aquilina* L. var. *mexicana* Fée, *P. caudata* L. var. *mexicana* Fée, *Pteridium aquilinum* (L.) Kuhn var. *caudatum* (L.) Sadeb., *P. aquilinum* subsp. *caudatum* (L.) Bonap.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru.
Salvadoran distribution: **Santa Ana**: J. Monterrosa & R. Carballo 251 (B, LAGU, MO); J. Tucker 1298 (F). **La Libertad**: J.C. González 372 (B, LAGU, MO); J. Lagos s.n. (ITIC). **San Salvador**: M.C. Carlson 404, 418 (F); S. Calderón 461 (F). **Chalatenango**: M.C. Carlson 611 (F); R. Villacorta & A. Araniva 981 (B, LAGU, MO). **Usulután**: D. Williams & R.W. Herrera 451 (LAGU). **Morazán**: J. Tucker 697 (F).

DICKSONIACEAE

Dicksonia sellowiana Hook., Sp. Fil. I: 67. 1844.
Dicksonia gigantea H. Karst., *D. ghiesbreghtii* Maxon
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Uruguay.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 12523, 16757, 16915, 16917 (F); M.C. Carlson 964 (F); R. Seiler 240 (F, ITIC, MHES); S. Winkler 100 (ITIC). **Chalatenango**: J. Tucker 1127 (F, MO) (Pérez-García in Davidse *et al.* 1995); R. Seiler 416 (JBL00094), (JBL00095) (F, LAGU, MHES).
Note: Note: listed as 'at risk' by MARN, 2004; listed as Apendix II by CITES.

Lophosoria quadripinnata (J. F. Gmel.) C. Chr. *in* Skottsberg, Nat. Hist. Juan Fernández I: 16. 1920.
Polypodium glaucum Sw., *P. quadripinnatum* J. F. Gmel., *P. pruinatum* Sw., *Alsophila quadripinnata* (J. F. Gmel.) C. Chr., *A. pruinata* (Sw.) Kaulf. ex Kunze, *Trichosorus glaucescens* Liebm., *T. densus* Liebm., *T. frigidus* Liebm.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama,

Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Bolivia, Chile, Argentina.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 16773 (F); G. Cerén & D. Rodríguez s.n. (JBL04655) (B, LAGU); s.n. (JBL04656), s.n. (JBL04657) (LAGU); R. Seiler 292 (F, ITIC, MHES). **Chalatenango**: J. Tucker 1150 (F). **Morazán**: R. Seiler 1030 (F, MHES).
Note: Listed as 'threatened' by MARN.

DRYOPTERIDACEAE

Arachniodes denticulata (Sw.) Ching, Acta Bot. Sin. 10: 260. 1962.
Polypodium denticulatum Sw., *Aspidium denticulatum* (Sw.) Sw., *A. jucundum* Fée, *Polystichum denticulatum* (Sw.) J. Sm., *Dryopteris denticulata* (Sw.) Kuntze, *D. denticulata* f. *jucunda* (Fée) C. Chr., *Rumohra denticulata* (Sw.) Copel., *Byrsopteris denticulata* (Sw.) C.V. Morton
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Sonsonate**: R. Seiler 607 (F, MHES). **Santa Ana**: A. Molina *et al.* 12497 (F); F. Wunderlin 543 (ITIC); G. Cerén & D. Rodríguez s.n. (JBL04653) (B, LAGU, MO); J. Monterrosa *et al.* 204 (AAU, B, BM, INB, LAGU, MEXU, MO); M.C. Carlson 953 (F); R. Seiler 126 (F, ITIC, MHES); 179 (MHES); 239 (F, MHES); V.M. Martínez s.n. (CMC01027) (B, LAGU, MO). **Chalatenango**: J. Tucker 1060 (F); R. Seiler 154 (F); 410 (F, ITIC, MHES); 423 (JBL00082) (LAGU, MHES); W. Berendsohn *et al.* 1573 (B, LAGU, MO). **Morazán**: J.L. Linares & A. Pool 2291 (JBL01780) (LAGU); R. Seiler 1065 (F, MHES).

▸ ***Bolbitis aliena*** (Sw.) Alston, Kew Bull. 1932: 310. 1932.
Acrostichum alienum Sw., *Gymnopteris aliena* (Sw.) C. Presl, *Leptochilus alienus* (Sw.) C. Chr.
Global distribution: Mexico, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Source: Calderón & Standley (1941): 31 (as *Leptochilus alienus*); Seiler (1982): 389; Berendsohn (1989) 1: 9.

♦ ***Bolbitis bernoullii*** (Kuhn *ex* Christ) Ching *in* Christensen, Index Filic., Suppl. 3: 47. 1934.
Acrostichum bernoullii Kuhn *ex* Christ, *Gymnopteris bernoullii* (Kuhn *ex* Christ) Diels *in* Engler & Prantl, *G. tuerckheimii* Christ, *G. donnell-smithii* Christ, *Leptochilus bernoullii* (Kuhn *ex* Christ) C. Chr., *L. tuerckheimii* (Christ) C. Chr., *L. donnell-smithii* (Christ) C. Chr., *Bolbitis donnell-smithii* (Christ) Ching in C. Chr.
Local names: helecho cola de león.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Ecuador.
Salvadoran distribution: **Ahuachapán**: M. Sandoval & E. Sandoval s.n. (ISB00801) (AAU, B, F, LAGU); M. Sandoval & E. Sandoval 299 (B, F, LAGU). **La Libertad**: W. Berendsohn *et al.* 1454 (LAGU).

Bolbitis portoricensis (Spreng.) Hennipman, Amer. Fern J. 65: 30. 1975.
Acrostichum portoricensis Spreng., *A. cladorrhizans* Spreng., *A. irregulare* Liebm., *Gymnopteris portoricensis* (Spreng.) Fée, *Leptochilus cladorrhizans* (Spreng.) Maxon, *Bolbitis cladorrhizans* (Spreng.) Ching *in* Christensen .
Local names: helecho colchón de león, helecho salamandra, pescadillo.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1954, 2987 (B, BM, ITIC, LAGU, MO); A. Sermeño s.n. (JBL01118), 97 (JBL01000) (B, LAGU, MO); E. Sandoval 1149 (B, LAGU); F. Chinchilla s.n. (ISB00314) (LAGU); J.M. Rosales 6 (AAU, B, BM, EAP, LAGU, MEXU, MO); 2450 (B, BM, LAGU, MEXU, MO); M. Sandoval & E. Sandoval 269 (B, F, LAGU); P. Standley *et al.* 2604 (F); R. Seiler 923 (MHES); T. Croat 42096 (ITIC); W. Berendsohn 1317 (B, LAGU, MO); 1724 (B, LAGU). **Santa Ana**: J. Monterrosa *et al.* 84 (B, LAGU, MO); M. Magaña 45 (MP-00023) (LAGU); R. Seiler 706 (MHES). **La Libertad**: A.K. Monro *et al.* 3771 (B, BM, ITIC, LAGU, MO); B. Pfeiffer-Berendsohn *et al.* 67 (B, LAGU, MO); F. Wunderlin 460 (ITIC); K. Sidwell *et al.* 479 (B, BM, ITIC, LAGU, MO); M.A. Hernández s.n. (JCG00562) (B, LAGU, MO); W. Heed 27, 28, 29 (ITIC). **San Salvador**: K. Sidwell *et al.* 569 (B, BM, ITIC, LAGU, MO); R. Seiler 314, 454, 458 (F, MHES). **Chalatenango**: R. Seiler 144 (F, MHES). **Cabañas**: A.K. Monro *et al.* 3750 (B, BM, ITIC, LAGU, MO); R.A. Carballo *et al.* 259 (LAGU). **La Unión**: A.K. Monro *et al.* 3537 (B, BM, ITIC, LAGU, MO).

Ctenitis equestris (Kunze) Ching var. ***equestris***, Sunyatsenia 5: 250. 1940.
Lastrea ciliata Liebm., *Polypodium alsophiloides* Liebm., *Aspidium bourgeaui* E. Fourn., *A. scabriusculum* Davenp., *Dryopteris davenportii* C. Chr., *D. equestris* (Kunze) C. Chr. var. *mentiens* C. Chr.
Global distribution: Mexico, Belize, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 2013 (B, BM, ITIC, LAGU, MO); G. Davidse *et al.* 37379 (B, BM, ITIC, LAGU, MO); R. Seiler 814, 906 (F, MHES); 954 (MHES); W. Berendsohn & E. Sandoval 1510 (B, LAGU). **Sonsonate**: A. Molina *et al.* 21630, 21763, 21775 (F, ITIC); 21770, 21773 (F); R. Seiler 612 (F, MHES). **Santa Ana**: A. Molina *et al.* 12654, 21496 (F); 21513 (F, ITIC); D. Rodríguez & G. Cerén s.n. (JBL04604) (LAGU); J. Tucker 1216 (F); K. Sidwell *et al.* 440 (B, BM, ITIC, LAGU, MO, L). Lara 227, 228 (MHES); M. Magaña 23 (MP-00010) (LAGU); R. Seiler 19 (MHES); 350 (F, MHES); S. Winkler 67 (ITIC); T. Croat 42232 (ITIC); V.M. Martínez s.n. (CMC00819) (B, LAGU, MO); s.n. (CMC01000) (B, EAP, LAGU, MO). **San Salvador**: M.C. Carlson 427, 477 (F); R. Seiler 208 (MHES); 209 (F, MHES). **Chalatenango**: R. Seiler 435b (JBL04943) (LAGU, MHES). **San Vicente**: R. Seiler 332 (F, MHES). **Morazán**: R. Seiler 1006 (F, MHES).

♦ ***Ctenitis equestris*** var. ***erosa*** Stolze, Amer. Fern. J. 67: 41. 1977.
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Santa Ana**: R. Seiler 484, 690 (F, MHES).

Ctenitis erinacea A.R. Sm., Mem. New York Bot. Gard. 88: 223-224. 2004.
Global distribution: Mexico, Guatemala, Honduras.

Salvadoran distribution: R. Seiler 890 (UC) (Mickel & Smith, 2004); Croat 42398 (CAS, MEXU) (Mickel & Smith, 2004). **Santa Ana**: B. Pfeiffer-Berendsohn 52 (B, LAGU, MO); J. Monterrosa & R. Carballo 287 (B, BM, LAGU); R. Seiler 136 (MHES); 312 (F); 479 (F, ITIC, MHES). **Chalatenango**: Tucker 1140 (LL, UC, US) (Mickel & Smith, 2004).

Ctenitis excelsa (Desv.) Proctor, Rhodora 63: 34. 1961.
Polypodium excelsum Desv., *Dryopteris excelsa* (Desv.) C. Chr. Local name: helecho colchón de león.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1945, 3078 (B, BM, ITIC, LAGU, MO); E. Sandoval 1148 (LAGU, MO); E. Sandoval & F. Chinchilla 488 (B, LAGU); R. Seiler 922 (F, MHES). **Santa Ana**: R. Seiler 879 (F).

Ctenitis hemsleyana (Baker) Copel., Gen. Fil. 124. 1947.
Polypodium hemsleyanum Baker *ex* Hemsl., *Dryopteris hemsleyana* (Baker *ex* Hemsl.) C. Chr., *Ctenitis costaricensis* R.C. Moran
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Morazán**: R. Seiler 1024 (F, MHES).

▸ ***Ctenitis interjecta*** (C. Chr.) Ching, Sunyatsenia 5: 250. 1940.
Dryopteris interjecta C. Chr.
Global distribution: Mexico, Guatemala, Belize, Honduras, Costa Rica.
Source: Löetschert (1954): 27; Seiler (1982): 388; Berendsohn (1989) 1: 9.

Ctenitis nigrovenia (Christ) Copel., Gen. Fil. 124. 1947.
Nephrodium nigrovenium Christ *in* Donnell Smith, *Dryopteris nigrovenia* (Christ) C. Chr. Local name: helecho trecillo.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Peru, Bolivia.
Salvadoran distribution: **Ahuachapán**: D. Witsberger 692, 655 (MHES); E. Sandoval 1135 (B, LAGU, MO); R. Seiler 817 (F, ITIC, MHES, NY).

Ctenitis sloanei (Poepp. *ex* Spreng.) C.V. Morton, Amer. Fern J. 59: 66. 1969.
Polypodium sloanei Poepp. *ex* Spreng.
Global distribution: USA, Mexico, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Ahuachapán**: N. Herrera s.n. (JBL03707) (LAGU, MO). **San Salvador**: A.K. Monro *et al.* 3453 (B, BM, ITIC, LAGU, MO).

Dryopteris karwinskyana (Mett.) Kuntze, Revis. Gen. Pl. 2: 813. 1891.
Aspidium karwinskyanum Mett., *Nephrodium karwinskyanum* (Mett.) Baker *in* Hooker & Baker . Local name: helecho pata de paloma.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica.
Salvadoran distribution: **Ahuachapán**: J.M. Rosales 1063 (AAU, B, BM, LAGU, MO); M. Sandoval & E. Sandoval 69, 102 (B, F, LAGU); W. Berendsohn *et al.* 1642 (B, BM, LAGU, MO). **La Libertad**: N. Ventura 5010, 5024 (ITIC). **San Salvador**: K.

Prestegard 34 (MP-00011) (LAGU); R. Seiler 70 (F, MHES); 438 (F, ITIC, MHES). **Chalatenango**: R. Seiler 522 (F); 554 (F, MHES). **Cabañas**: R. Seiler 520 (F, MHES). **Morazán**: J. Monterrosa & C. Rivera 679 (BM, LAGU).

▸ ***Dryopteris maxonii*** Underw. & C. Chr., Amer. Fern. J. I: 96. 1911.
Dryopteris patula (Sw.) Underw. var. *moreliae* Christ *in* Lecomte
Global distribution: Mexico, Guatemala, Costa Rica.
Salvadoran distribution: R. Seiler 1485 (MO) (Moran in Davidse *et al.* 1995)
Source: Moran in Davidse *et al.* (1995): 213.

Dryopteris nubigena Maxon & C.V. Morton, Proc. Biol. Soc. Wash. 50: 179. 1937.
Local names: helecho petatillo de montaña.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama.
Salvadoran distribution: **Santa Ana**: R. Seiler 691 (F, MHES). **Chalatenango**: W. Berendsohn *et al.* 1570 (B, LAGU, MO).

Dryopteris patula (Sw.) Underw., Native Ferns, ed. 4, 117. 1893.
Aspidium patulum Sw., *A. paupertinum* Kunze, *A. mexicanum* C. Presl var. *obtusilobum* Kunze *ex* Mett., *A. apertum* Fée, *Dryopteris aperta* (Fée) C. Chr., *D. simplicior* Mickel & Beitel
Local names: helecho cola de pavo real, helecho pata de comadreja, helecho pata de paloma, helecho pluma de faisán.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & M. Sandoval 1371 (B, LAGU); F. Chinchilla s.n. (ISB00538) (AAU, B, LAGU); s.n. (ISB00659) (AAU, B, F, LAGU); M. Sandoval & E. Sandoval 19 (B, LAGU); M. Sandoval 66 (B, F, LAGU). **Sonsonate**: R. Seiler 34, 611 (F, MHES); T. Croat 42245 (ITIC). **Santa Ana**: K. Prestegard 1 (MP-00012) (LAGU); M.B. Siu s.n. (ITIC); R. Seiler 82 (MHES); 500 (F, ITIC, MHES); 660 (F, MHES). **La Libertad**: E.A. Montalvo & R. Villacorta 6268 (B, LAGU). **San Salvador**: R. Seiler 25, 52 (F, MHES); 437 (F, ITIC, MHES); 441 (MHES); S. Winkler 79 (ITIC). **Chalatenango**: R. Seiler 567 (JBL04812) (F, LAGU); R. Seiler 142, 568 (F, MHES). **San Vicente**: R. Seiler 318 (JBL04806) (F, LAGU, MHES). **Morazán**: J. Monterrosa & M. Rivera 643 (B, EAP, LAGU); J. Monterrosa & C. Rivera 648 (BM, LAGU); S. Winkler 84 (ITIC).

Dryopteris wallichiana (Spreng.) Hyl., Bot. Not. 1953: 352. 1953.
Aspidium paleaceum D. Don, *A. wallichianum* Spreng., *A. donianum* Spreng., *A. paleaceum* Sw., *A. parallelogrammum* Kunze, *A. crinitum* M. Martens & Galeotti, *Dryopteris paleacea* (Sw.) C. Chr., *D. parallelogramma* (Kunze) Alston
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Paraguay, Africa, Asia, Hawaii.
Salvadoran distribution: **Chalatenango**: Hammer s.n. (12-274) (MHES); R. Seiler 163 (F, MHES). **San Vicente**: S. Winkler 77 (ITIC).

▸ ***Elaphoglossum affine*** (M. Martens & Galeotti) T. Moore, Index Fil. 4. 1857.
Acrostichum affine M. Martens & Galeotti
Global distribution: Mexico, Guatemala, Costa Rica, Panama, Colombia, Venezuela.

Salvadoran distribution: M.C. Carlson 730, F (Mickel, 1995: 256).
Source: Mickel in Davidse *et al.* (1995): 256; Mickel & Smith (2004): 285.

Elaphoglossum albomarginatum A.R. Sm., Proc. Calif. Acad. Sci. ser. 4, 40: 220 (F). 4A. 1975.
Global distribution: Mexico, Guatemala.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 2016 (B, BM, ITIC, LAGU, MO). **Santa Ana**: R. Seiler 876 (F, ITIC, MHES); S. Winkler 62 (ITIC).

Elaphoglossum baquianorum A. Rojas, Rev. Biol. Trop. 51(1): 35. 2003.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama.
Salvadoran distribution: **Santa Ana**: R. Seiler 290 (F, MHES); R. Seiler 688 (F, MHES, NY).

Elaphoglossum ellipticifolium A. Rojas, Rev. Biol. Trop. 51(1): 5. 2003.
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 16855 (F); T. Croat 42423, holotipo MO, isotipo NY; R. Seiler 170 (F, MHES). **Chalatenango**: R. Seiler 397 (JBL00100) (F, LAGU, MHES); R. Seiler 429 (JBL00098), F (LAGU). **Morazán**: R. Seiler 992 (F, MHES).

Elaphoglossum erinaceum (Fée) T. Moore var. ***erinaceum***, Index Fil. 9. 1857.
Acrostichum erinaceum Fée,
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: M.L. Reyna de Aguilar 839, 872 (MHES).

Elaphoglossum eximium (Mett.) Christ, Monogr. Elaph. 107. 1899.
Acrostichum eximium Mett.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 16824; B. Pfeiffer-Berendsohn 35 (LAGU); J. Lagos s.n. (ITIC); R. Seiler 174 (F, MHES); S. Winkler 617 (ITIC). **Usulután**: L. González 1942 (ITIC).

▸ ***Elaphoglossum glabellum*** J. Sm., London J. Bot. I: 197. 1842.
Acrostichum glabellum (J. Sm.) Klotzsch
Global distribution: Mexico, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Ahuachapán**: P. Standley 20172 (US).
Source: Mickel & Smith (2004): 290.

Elaphoglossum glaucum T. Moore, Index. Fil. 10. 1857.
Acrostichum glaucum Fée, *Elaphoglossum eucraspedum* Christ
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Santa Ana**: R. Seiler 668 (MHES). **Chalatenango**: R. Seiler 399 (JBL00101) (F, LAGU, MHES).

Elaphoglossum guatemalense (Klotzsch) T. Moore, Parker´s Cat. 1858.
Acrostichum guatemalense Klotzsch, *A. salvinii* Baker *ex* Hemsl.
Global distribution: Mexico, Guatemala, Belize, Honduras.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 16868 (F). **Chalatenango**: R. Seiler 396 (F, MHES). **San Vicente**: R. Seiler 321 (F, MHES). **Morazán**: R. Seiler 1066 (MHES).

Elaphoglossum herrerae A. Rojas, Brenesia 45-46: 13. 1996.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama.
Salvadoran distribution: **Morazán**: R. Seiler 1080 (F, ITIC, MHES).

Elaphoglossum lanceum Mickel, Amer. Fern J. 69: 101. 1979.
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Santa Ana**: R.A. Carballo 649 (B, LAGU, MO); R. Seiler 104, 173 (F, MHES); 684 (MHES). **Chalatenango**: R. Seiler 161, 739 (F, MHES).

Elaphoglossum latifolium (Sw.) J. Sm., J. Bot. 1: 197. 1842.
Acrostichum latifolium Liebm., *A. sartori* Liebm., *A. scapellum* Kunze *ex* Fée, *Elaphoglossum latifolium* (Sw.) J. Sm. var. *lutescens* Rosenst., *E. sartori* (Liebm.) Mickel, *E. scapellum* (Kunze *ex* Fée) T. Moore
Global distribution: Mexico, Belize, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Ecuador, Peru, Bolivia, Brazil.
Salvadoran distribution: **Santa Ana**: G. Cerén & D. Rodríguez s.n. (JBL04645) (LAGU); G. Davidse *et al.* 37290 (B, BM, ITIC, LAGU, MO); J.L. Linares & C.A. Martínez 1520 (JBL01904) (LAGU); J. Monterrosa & R. Carballo 859 (LAGU); J. Monterrosa *et al.* 174, 179 (LAGU); R. Seiler 103, 175, 657 (MHES); R. Villacorta *et al.* 1286, 1018 (B, LAGU, MO). **Chalatenango**: W. Berendsohn *et al.* 1596 (B, LAGU); R. Seiler 150, 749; 753 (F, MHES).
Note: Rojas-Alvarado (2003) notes that *Elaphoglossum latifolium* is taxonomically difficult because of variation in rhizome habit and scales, frond scales, size, apex and base shape. Rojas-Alvarado (2003) and Mickel & Smith (2004) suggests that *E. latifolium sensu stricto* may be restricted to the Caribbean islands. It would seem probable that the collections cited here as *E. latifolium* include more than one species.

♦ ***Elaphoglossum lonchophyllum*** (Fée) T. Moore, Index. Fil. 360. 1862.
Acrostichum lonchophyllum Fée, *Elaphoglossum acutissimum* Christ
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles.
Salvadoran distribution: **Santa Ana**: B. Pfeiffer-Berendsohn & W. Berendsohn 28 (LAGU, MO).

▸ ***Elaphoglossum longistipitatum*** A. Rojas, Brenesia 47-48: 6. 1997.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama.
Salvadoran distribution: **Santa Ana**: W. Löetschert 375 (US).
Source: Rojas-Alvarado (2002): 997.

Elaphoglossum mcvaughii Mickel, Brittonia 32: 336. 1980.
Global distribution: Mexico, Guatemala.

Salvadoran distribution: **Santa Ana**: J. Monterrosa *et al.* 1011 (B, LAGU, MO, NY). **San Vicente**: R. Seiler 322 (F, MHES).

Elaphoglossum mesoamericanum A. Rojas, Rev. Biol. Trop. 51(1): 8. 2003.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua.
Salvadoran distribution: **Santa Ana**: M. Carlson 753 (F). **San Salvador**: M. Carlson 593 (F). **Chalatenango**: R. Seiler 258 (F, MHES); S. Calderón 2448 (F).
Note: Mickel & Smith (2004) cite Seiler 578 as *Elaphoglossum yourkeorum* (see below), this specimen may be conspecific to *E. mesoamericanum* but the two species have been maintained distinct here pending further research.

Elaphoglossum mexicanum (E. Fourn.) A. Rojas, Rev. Biol. Trop. 51(1): 42. 2003.
Acrostichum mexicanum E. Fourn.
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Santa Ana**: R. Seiler 130 (F, MHES); W. Löetschert 369, US (Rojas-Alvarado, 2003).

● ***Elaphoglossum microproductum*** A. Rojas, Brenesia 47-48: 9. 1997.
Global distribution: Endemic.
Salvadoran distribution: **Chalatenango**: R. Seiler 742 (MHES, NY).

♦ ***Elaphoglossum minutum*** (Pohl *ex* Fée) T. Moore, Index Fil. 12. 1857.
Acrostichum minutum Pohl *ex* Fée, *A. conforme* Sw. var. *alpinum* J. Bommer *ex* H. Christ?, *A. leptophyllum* Fée, *Elaphoglossum leptophyllum* (Fée) T. Moore
Global distribution: Costa Rica, Panama, Antillas, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Brazil.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 2018 (B, BM, ITIC, LAGU, MO). **Morazán**: R. Seiler 1016 (F, MHES).

Elaphoglossum muscosum (Sw.) T. Moore, Index. Fil. 12. 1857.
Acrostichum muscosum Sw., *Elaphoglossum hookerianum* Underw. *ex* Maxon
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru.
Salvadoran distribution: **Sonsonate**: R. Seiler 601 (MHES). **Santa Ana**: B. Pfeiffer-Berendsohn & W. Berendsohn 4, 24 (LAGU, MO); M.L. Reyna de Aguilar 665 (MHES); R. Seiler 90, 354b, 653 (MHES). **Chalatenango**: R. Seiler 428 (JBL00097) (LAGU, MHES); R. Seiler 740 (MHES). **Morazán**: R. Seiler 994 (F, MHES).

Elaphoglossum paleaceum (Hook. & Grev.) Sledge, Bull. Brit. Mus. (Nat. Hist.) Bot. 4: 95. 1967.
Acrostichum paleaceum Hook. & Grev., *A. squamosum* Sw., *Elaphoglossum squamosum* J. Sm., *E. hirtum* sensu auct., *non Acrostichum hirtum* Sw.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Hawaii.
Salvadoran distribution: **Santa Ana**: J. Monterrosa & R. Carballo 857 (B, LAGU); R. Seiler 291, 645 (F, MHES); S. Winkler 55 (ITIC). **San Salvador**: R. Seiler 337 (MHES). **Chalatenango**: R. Seiler 403 (JBL00099) (F, LAGU, MHES); 741 (MHES).

Elaphoglossum peltatum (Sw.) Urb., Symb. Antill. 4: 60. 1903.
Osmunda peltata Sw., *Acrostichum peltatum* (Sw.) Sw., *Rhipidopteris peltata* (Sw.) Schott *ex* Fée, *Peltapteris peltata* (Sw.) C.V. Morton .
Local names: sombrillita.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Suriname, French Guyana, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Sonsonate**: R. Seiler 597 (F, MHES). **Santa Ana**: A. Molina *et al.* 16754, 16850 (F; B). Pfeiffer-Berendsohn & W. Berendsohn 27 (B, F, LAGU, MO); G. Davidse *et al.* 37298 (B, BM, ITIC, LAGU, MO); K. Sidwell *et al.* 846 (B, BM, ITIC, LAGU, MO); M.C. Carlson 882 (F); O. Rohweder s.n. (JBL01258), 2649 (JBL01243) (LAGU); R. Seiler 97 (F, ITIC, MHES); 868 (MHES). **Morazán**: R. Seiler 993 (F, MHES).

Elaphoglossum petiolatum (Sw.) Urb., Symb. Antill. 4: 61. 1903.
Acrostichum petiolatum Sw., *A. viscosum* Sw., *A. schiedei* Kunze, *A. schmitzii* Mett. *ex* Kuhn, *Elaphoglossum viscosum* (Sw.) J. Sm.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil.
Salvadoran distribution: **Santa Ana**: G. Davidse *et al.* 37303 (B, BM, ITIC, LAGU, MO). **Morazán**: R. Seiler 1029 (F, ITIC, NY).

Elaphoglossum piloselloides (C. Presl) T. Moore, Index Fil. 13. 1857.
Acrostichum piloselloides C. Presl
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Chile.
Salvadoran distribution: **Santa Ana**: J.L. Linares & C.A. Martínez 1519 (JBL01916) (LAGU).

Elaphoglossum sartorii (Liebm.) Mickel, Mem. New York Bot. Gard. 46: 181. 1988.
Acrostichum sartorii Liebm., *A. scapellum* Kunze *ex* Fée, *Elaphoglossum scapellum* (Kunze *ex* Fée) T. Moore, *E. subarborescens* Rosenst.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama.
Salvadoran distribution: **San Vicente**: R. Seiler 327 (F, MHES).

Elaphoglossum setosum (Liebm.) T. Moore, Index Fil. 366. 1862.
Acrostichum setosum Liebm., *A. recognitum* Kunze *ex* E. Fourn., *Elaphoglossum catharinae* Underw. *ex* Maxon
Global distribution: Mexico, Guatemala, Nicaragua, Costa Rica.
Salvadoran distribution: **Chalatenango**: J. Monterrosa *et al.* 1619 (BM, LAGU, MHES, NY).

Elaphoglossum squamipes (Hook.) T. Moore, Index Fil. 15. 1857.
Acrostichum squamipes Hook., *A. ovatum* Liebm., *Elaphoglossum subaequale* T. Moore
Global distribution: Mexico, Guatemala, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.

Salvadoran distribution: **Chalatenango**: R. Seiler 425 (JBL00096) (LAGU); R. Seiler 149 (F, MHES); 745 (MHES).

Elaphoglossum tenuiculum (Fée) T. Moore *ex* Baker, Ann. Bot. (Oxford) 5: 491. 1891.
Acrostichum tenuiculum Fée, *Elaphoglossum stellatum* Mickel
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **San Salvador**: R. Seiler 31, 54, 515 (MHES). **Chalatenango**: W. Heed 31 (ITIC).

Elaphoglossum yourkeorum Mickel, Mem. New York Bot. Gard. 88: 314-315. 2004.
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Chalatenango**: R. Seiler 578 (F, MHES, NY).

♦***Lastreopsis effusa*** subsp. **divergens** (Willd.) Tindale, Contr. New South Wales Natl. Herb. 3: 299, pl. 21. 1965.
Polypodium divergens Willd.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Salvadoran distribution: **Santa Ana**: J.Monterrosa, D.Rodríguez & E.Pérez 1553 (BM, LAGU).

♦ ***Megalastrum pulverulentum*** (Poir.) A. R. Sm. & R. C. Moran, Amer. Fern. J. 77: 129. 1987.
Ctenitis pulverulenta (Poir.) Copel., *C. karsteniana* (Klotzsch) Vareschi, *C. pulverulenta* (Poir.) Copel. var. *heydei* (C. Chr.) Stolze, *Polypodium pulverulentum* Poir. *in* Lamarck, *P. karstenianum* Klotzsch, *Dryopteris pulverulenta* (Poir.) C. Chr. *in* Urban, *D. karsteniana* (Klotzsch) Hieron, *D. karsteniana* (Klotzsch) Hieron var. *heydei* C. Chr., *Megalastrum pulverulentum* (Poir.) A. R. Sm. & R. C. Moran var. *heydei* (C. Chr.) A.R. Sm. & R.C. Moran
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: J. Monterrosa & R. Martínez 944 (LAGU); J. Monterrosa *et al.* 961 (LAGU, NY).

♦***Olfersia cervina*** (L.) Kunze, Flora 7: 312. 1824.
Global distribution: Mexico, Guatemala, Belice, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Cabañas**: G. Cerén 1788 (LAGU, MEXU, MHES); J. Monterrosa & D. Rodríguez 1633 (BM, LAGU, MHES, MO).

Phanerophlebia juglandifolia (Humb. & Bonpl. *ex* Willd.) J. Sm., J. Bot. (Hooker) 4: 187. 1841.
Polypodium juglandifolium Humb. & Bonpl. *ex* Willd., *Cyrtomium juglandifolium* (Humb. & Bonpl. *ex* Willd.) T. Moore
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama,

Colombia, Venezuela.
Salvadoran distribution: Tucker 1288, US (Yatskievych in Davidse *et al.* 1995). **Sonsonate**: J.L. Linares & C.A. Martínez 3045 (JBL01790) (LAGU).

Phanerophlebia macrosora (Baker) Underw., Bull. Torrey Bot. Club 26: 213. 1899.
Aspidium juglandifolium (Humb. & Bonpl. *ex* Willd.) Kunze *ex* Klotzsch var. *macrosorum* Baker, *Cyrtomium macrosorum* (Baker) C.V. Morton, *C. guatemalensis* (Underw.) C.V. Morton, *Phanerophlebia guatemalensis* Underw.
Global distribution: Mexico, Guatemala, Costa Rica, Panama.
Salvadoran distribution: **Chalatenango**: R. Seiler 418 (JBL00081) (F, LAGU, MHES).

Polystichum alfaroi (Christ) Barrington, Rhodora 94: 328. 1992.
Polystichum aculeatum (L.) Roth var. *alfaroi* Christ
Global distribution: Mexico, Guatemala, Costa Rica, Panama.
Salvadoran distribution: ***Sin loc***: P. Standley 21567, NY (Mickel & Smith, 2004: 514). **Ahuachapán**: J. Monterrosa & D. Rodríguez 1434 (B, BM, LAGU, MO, NY).

Polystichum distans E. Fourn., Mexic. Pl. I: 91. 1872.
Polystichum pallidum E. Fourn.
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Santa Ana**: R. Seiler 12, 18, 504 (MHES). **San Salvador**: R. Seiler 207 (MHES). **Chalatenango**: R. Seiler 381 (MHES). **San Vicente**: R. Seiler 315 (MHES).

Polystichum fournieri A. R. Sm., Amer. Fern J. 70: 27. 1980.
Polystichum muelleri Mett. *ex* E. Fourn.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama.
Salvadoran distribution: **Sonsonate**: R. Seiler 613 (MHES). **Santa Ana**: M.L. Reyna de Aguilar 667 (MHES); R. Seiler 181, 461 (MHES). **Chalatenango**: W. Berendsohn *et al.* 1575 (B, LAGU).

Polystichum hartwegii (Klotzsch) Hieron., Hedwigia 46: 355. 1907.
Aspidium hartwegii Klotzsch, *A. trejoi* Christ, *Polystichum grande* Fée, *P. drepanoides* E. Fourn., *P. trejoi* (Christ) Christ
Local name: helecho trenza de sansón.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia?, Venezuela, Ecuador, Bolivia.
Salvadoran distribution: **Ahuachapán**: D. Witsberger 654 (MHES); F. Chinchilla & E. López s.n. (ISB00311) (LAGU); N. Herrera s.n. (JBL03863) (B, EAP, LAGU, MO). **Santa Ana**: D. Rodríguez & G. Cerén s.n. (JBL04613) (LAGU); J. Monterrosa *et al.* 208 (B, LAGU); J. Monterrosa & R. Martínez 940 (LAGU, NY); 948 (B, LAGU, NY); K. Sidwell *et al.* 833 (B, BM, ITIC, LAGU, MO); R. Seiler 293, 345 (MHES); V.M. Martínez s.n. (CMC00845) (B, LAGU); s.n. (CMC00880) (B, LAGU, MO); s.n. (CMC00879), s.n. (CMC00897), s.n. (CMC00972) (B, EAP, LAGU, MO); W. Berendsohn *et al.* 1541 (B, LAGU, MO). **Usulután**: A.K. Monro *et al.* 3007 (B, BM, ITIC, LAGU, MO). **Morazán**: R. Seiler 1011 (MHES); R. Seiler 1033 (JBL04820) (LAGU, MHES).

▸ ***Polystichum mickelii*** A. R. Sm., Amer. Fern. J. 70: 25. 1980.
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: P.Standley 20135, GH (Barrington in Davidse *et al.*, 1995: 222).
Sources: Barrington in Davidse *et al.* (1995): 222; Mickel & Smith (2004): 518.

♦ ***Polystichum muenchii*** (Christ) C. Chr., Index Fil. 585. 1906.
Aspidium muenchii Christ
Global distribution: Mexico, Guatemala.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 2009 (B, BM, ITIC, LAGU, MO).

Polystichum muricatum (L.) Fée, Mém. Foug. 5: 278. 1852.
Polypodium muricatum L.
Local names: helecho pata de león, helecho rosquilla de altura, helecho trenza de sansón.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Venezuela.
Salvadoran distribution: **Ahuachapán**: E. Sandoval 1134 (B, LAGU); F. Chinchilla *et al.* s.n. (ISB00091) (B, LAGU, MO); M. Sandoval & E. Sandoval 92 (B, F, LAGU); R. Villacorta *et al.* 906 (B, LAGU, MO).**Usulután**: D. Williams 58 (LAGU, MO).

Polystichum turrialbae Christ, Bull. Herb. Boissier, sér. 2, 6: 163. 1906.
Polystichum smithii Mickel & Beitel
Local name: helecho trenza de sansón.
Global distribution: Mexico, Costa Rica, Panama, Bolivia.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1970, 2010 (B, BM, ITIC, LAGU, MO); W. Berendsohn *et al.* 1427 (B, LAGU, MO).

EQUISETACEAE

Equisetum giganteum L., Syst. Nat. ed. 10, 2: 1318. 1759.
Local name: cola de caballo.
Global distribution: Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Paraguay, Uruguay, Argentina, Chile.
Salvadoran distribution: **Santa Ana**: M.B. Siu s.n. (ITIC); R. Villacorta & H. Sipman 1260 (B, LAGU, MO); V.M. Martínez s.n. (CMC00048) (B, BM, LAGU, MEXU, MO); V.M. Rosales 10 (ITIC). **Chalatenango**: B. López s.n. (ITIC); E.A. Montalvo 5435 (ITIC); R. Seiler 255 (F, ITIC, MHES).

Equisetum hyemale A. Braun *ex* Engelm. L. var. ***affine*** (Engelm.) A. A. Eaton, Fern Bull. II: III. 1903.
Local name: cola de caballo.
Equisetum robustum A. Braun *ex* Engelm., *E. robustum* A. Braun *ex* Engelm. γ *affine* Engelm., *E. hyemale* L. subsp. *affine* (Engelm.) Calder & Roy Taylor
Global distribution: Canada, USA, Mexico, Guatemala, Asia.
Salvadoran distribution: **La Libertad**: M. Renderos & R. Villacorta 291 (B, LAGU, MO).

Equisetum myriochaetum Schltdl. & Cham., Linnea 5: 623. 1830.
Equisetum mexicanum Milde
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Ecuador, Peru.
Salvadoran distribution: **Santa Ana**: R. Villacorta *et al.* 1049 (B, LAGU, MO). **Chalatenango**: E.A. Montalvo 5279 (ITIC). **Morazán**: M. Renderos *et al.* 628 (B, BM, LAGU, MO).

Equisetum* x *schaffneri Milde, Verh. Zool.-Bot. Ges. Wien II: 345. 1861.
Global distribution: Mexico, Guatemala a Peru.
Salvadoran distribution: S. Calderón 1864 (F, ITIC, US).
Note: *Equisetum x schaffneri* is believed to be a hybrid between *E. giganteum* and *E. myriochaetum* (Hauke, 1995: 326).

GLEICHENIACEAE

Dicranopteris flexuosa (Schrad.) Underw., Bull. Torrey Bot. Club 34: 254. 1907.
Mertensia flexuosa Schrad., *Gleichenia flexuosa* (Schrad.) Mett.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Salvadoran distribution: **La Libertad**: M.C. Carlson 251 (F). **Usulután**: D. Williams 141 (LAGU, MO); J. Lagos 1777 (ITIC). **Morazán**: K. Sidwell *et al.* 736 (B, BM, ITIC, LAGU, MO); R. Seiler 1049b (F, ITIC, MHES); R. Villacorta *et al.* (B, LAGU).

Diplopterygium bancroftii (Hook.) A. R. Sm., Amer. Fern. J. 70: 26. 1980.
Gleichenia bancroftii Hook., *Mertensia bancroftii* (Hook.) Kunze, *M. bancroftii* (Hook.) Kunze var. *vitellina* Kunze, *Dicranopteris bancroftii* (Hook.) Underw., *Hicriopteris bancroftii* (Hook.) Ching
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: J. Tucker 1184, F, K; Puller s.n. (12-548) (MHES); R. Seiler 238 (F, ITIC, MHES); S. Winkler 68 (ITIC).

Gleichenella pectinata (Willd.) Ching, Sunyatsenia 5: 276. 1940.
Mertensia pectinata Willd., *M. glaucescens* Humb. & Bonpl. *ex* Willd. var. *mexicana* Fée, *Gleichenia pectinata* (Willd.) C. Presl, *G. nitida* C. Presl, *Dicranopteris pectinata* (Willd.) Underw.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 12577 (F); R. Seiler 460 (F, MHES); 1199 (F). **Chalatenango**: E.A. Montalvo s.n. (ITIC); M.C. Carlson 590 (F); R. Villacorta & A. Araniva 968 (B, LAGU, MO). **Morazán**: R. Seiler 983 (F, MHES).

Sticherus bifidus (Willd.) Ching, Sunyatsenia 5: 282. 1940.
Mertensia bifida Willd., *M. fulva* Desv., *M. gleichenioides* Liebm., *Gleichenia bifida* (Willd.) Spreng., *G. liebmannii* T. Moore, *Dicranopteris bifida* (Willd.) Maxon, *D. fulva*

(Desv.) Underw.
Local name: helecho cien pié.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & M. Sandoval 1375 (B, LAGU); J.M. Rosales 1294 (B, LAGU, MO). **Santa Ana**: H. Weber 293 (ITIC); M.C. Carlson 997 (F). **La Libertad**: M.A. Hernández s.n. (JCG00590) (B, LAGU, MO). **Morazán**: J. Tucker 792 (F).

Sticherus brevipubis (Christ) A. R. Sm., Amer. Fern J. 70: 27. 1980.
Gleichenia brevipubis Christ
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Ecuador.
Salvadoran distribution: **Ahuachapán**: J.L. Linares 482 (JBL01980) (LAGU). **Santa Ana**: A. Molina *et al.* 12520 (F); G. Cerén & D. Rodríguez s.n. (JBL04661) (LAGU); G. Davidse *et al.* 37309 (B, BM, ITIC, LAGU, MO); M.L. Reyna de Aguilar 682 (MHES); R. Villacorta *et al.* 1065 (B, ITIC, LAGU, MO). **Chalatenango**: J. Tucker 1183 (F); R. Seiler 725 (F, MHES). **Morazán**: R. Seiler 989 (F, MHES).

Sticherus palmatus (W. Schaffn. *ex* E. Fourn.) Copel., Gen. Fil. 28. 1947.
Mertensia palmata W. Schaffn. *ex* Fée, *M. palmata* W. Schaffn. *ex* E. Fourn., *Gleichenia palmata* T. Moore, *G. palmata* (W. Schaffn. *ex* E. Fourn.) C. Chr., *Dicranopteris palmata* J. H. Schaffn. *ex* Underw.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles.
Salvadoran distribution: **Santa Ana**: J. Monterrosa & R. Carballo 273 (B, BM, LAGU, MO); R. Seiler 233 (F, ITIC, MHES); 241 (ITIC).

Sticherus underwoodianus (Maxon) Nakai, Bull. Natl. Sci. Mus. Tokyo 29: 31. 1950.
Dicranopteris underwoodiana Maxon, *Gleichenia underwoodiana* (Maxon) C. Chr.
Local names: helecho de mano, helecho pié de gallina.
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 16747 (F; B). Pfeiffer-Berendsohn 38 (B, LAGU, MO); B. López s.n. (ITIC); G. Davidse *et al.* 37269 (B, BM, ITIC, LAGU, MO); R. Seiler 195 (MHES); 230 (ITIC, MHES); 251 (F, ITIC, MHES); W. Berendsohn *et al.* 1547 (B, LAGU). **Chalatenango**: R. Seiler 726 (F, MHES).

HYMENOPHYLLACEAE

Hymenophyllum crassipetiolatum Stolze, Amer. Fern J. 66: 15. f. 1. 1976.
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 12638, 16767, 16811 F; 12488, 12504 (F, ITIC); M.C. Carlson 894 (F); R. Seiler 102 (F, MHES); 687, 876 (MHES); R. Villacorta *et al.* 1023 (B, LAGU, MO); W. Berendsohn *et al.* 1698 (B, LAGU, MO). **Chalatenango**: J. Tucker 1062a. **Morazán**: J.L. Linares & A. Pool 2296 (JBL01929) (LAGU).

♦***Hymenophyllum crispum*** Kunth, Nov. Gen. Sp. I: 26. 1815.
Sphaerocionium crispum (Kunth) Klotzesh, *S. schiedeanum* C. Presl, *Hymenophyllum schiedeanum* (C. Presl) Bosch
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Chalatenango**: J.Monterrosa *et al.* 1618 (BM, LAGU, MHES).

Hymenophyllum fucoides (Sw.) Sw., J. Bot. (Schrader) 1800(2): 99. 1801.
Trichomanes fucoides Sw., *Meringium fucoides* (Sw.) Copel.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: B. Pfeiffer-Berendsohn & W. Berendsohn 22 (LAGU, MO); 31 (B, LAGU, MO); M.L. Reyna de Aguilar 877 (MHES); R. Seiler 284a (ITIC, MHES); 295 (F, MHES); 297 (F, ITIC, MHES). **Chalatenango**: R. Seiler 433 (F). **Morazán**: R. Seiler 996 (F, ITIC, MHES).

▸***Hymenophyllum microcarpum*** Desv., Mém. Soc. Linn. Paris 6: 333. 1827.
Sphaerocionium microcarpum (Desv.) Copel., *Hymenophyllum angustifrons* Christ, *H. microcarpum* Desv. var. *lanceolatum* C. V. Morton
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Dominica, Colombia, Venezuela, Guayana, Ecuador, Peru, Brazil, Bolivia.
Source: Stolze (1976): 66; Berendsohn (1989) 1: 13; Pacheco in Davidse *et al.* (1995): 68; Mickel & Smith (2004): 344.

Hymenophyllum myriocarpum Hook., Sp. Fil. I: 106, t. 37D. 1844.
Mecodium myriocarpum (Hook.) Copel., *M. nigricans* (C. Presl *ex* Klotzsch) Copel., *Hymenophyllum nigrescens* Liebm., *Sphaerocionium nigricans* C. Presl *ex* Klotzsch
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Guayana, Suriname, French Guyana, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: R. Seiler 285 (F, ITIC, MHES); R. Villacorta 1119 (B, LAGU, MO); S. Winkler 92 (ITIC). **Chalatenango**: R. Seiler 434 (JBL00105) (F, ITIC, LAGU, MHES). **San Vicente**: R. Seiler 334 (F, ITIC, MHES). **Morazán**: R. Seiler 995 (F, ITIC, MHES).

Hymenophyllum polyanthos (Sw.) Sw., J. Bot. (Schrader) 1800(2): 102. 1801.
Trichomanes polyanthos Sw., *Mecodium polyanthos* (Sw.) Copel., *Hymenophyllum jalapense* Schltdl. & Cham., *H. millefolium* Schltdl. & Cham., *H. botryoides* Bosch
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Africa, Asia.
Salvadoran distribution: **Sonsonate**: A. Molina *et al.* 21767 (F, ITIC); R. Seiler 599 (F, MHES). **Santa Ana**: A. Molina *et al.* 12629, 12661 (F, ITIC); 12685 F; G. Davidse *et al.* 37215 (B, BM, ITIC, LAGU, MO); R. Seiler 282 (F, MHES). **Morazán**: R. Seiler 988 (F).

▸ ***Hymenophyllum pulchellum*** Schltdl. & Cham., Linnea 5: 618. 1830.
Sphaerocionium pulchellum (Schltdl. & Cham.) C. Presl, *Hymenophyllum pannosum* Christ
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Brazil.
Source: Seiler (1982): 384; Berendsohn (1989) 1: 13; Mickel & Smith (2004): 345.

Hymenophyllum tegularis (Desv.) Proctor & Lourteig, Bradea 5: 385. 1990.
Davallia tegularis Desv., *Hymenophyllum elegantulum* Bosch, *Sphaerocionium elegantulum* (Bosch) Copel.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 12505 (F, ITIC); 16813 (F); R. Seiler 231 (F, ITIC, MHES); 683 (MHES); S. Winkler 91 (ITIC). **Chalatenango**: R. Seiler 435a (JBL00106) (F, ITIC, LAGU, MHES).

Hymenophyllum tunbrigense (L.) Sm., Mém. Acad. Roy. Sci. (Turín) 5: 418. 1793.
Trichomanes tunbrigense L., *Hymenophyllum fucoides* (Sw.) Sw. var. *frigidum* Liebm.
Global distribution: USA, Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Venezuela, Ecuador, Bolivia, Chile, Argentina; Europe, Africa, Australia.
Salvadoran distribution: **Santa Ana**: R. Seiler 125 (F, ITIC, MHES); 284 (F, MHES). **Chalatenango**: R. Seiler 432 (F, MHES).

Trichomanes capillaceum L., Sp. Pl. 2: 1099. 1753.
Vandenboschia capillacea (L.) Copel., *Trichomanes tenellum* Hedw., *T. trichoideum* Sw., *T. trichoides* Sw., *T. schiedeanum* Müll., *T. hypnoides* Christ
Global distribution: Mexico, Guatemala, Belize, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 16870 (F); E.A. Montalvo 4152 (ITIC); G. Davidse *et al.* 37305 (B, BM, ITIC, LAGU, MO); R. Seiler 188, 286 (F, ITIC, MHES); R. Villacorta *et al.* 1277 (B, ITIC, LAGU, MO); S. Winkler 90 (ITIC). **Morazán**: R. Seiler 1040 (F, MHES).

Trichomanes diaphanum Kunth, Nov. Gen. Sp. 1: 25. 1816.
Trichomanes bradei Christ
Global distribution: Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Ecuador, Peru, Brazil.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 731 (B, LAGU). **Santa Ana**: A. Molina *et al.* 16804 (F); R. Seiler 250 (F, MHES); 303 (F, ITIC, MHES). **Usulután**: D. Williams 247 (LAGU).

Trichomanes hymenoides Hedw., Fil. Gen. Sp., t. 3. 1799.
Trichomanes muscoides Sw., *T. apodum* Hook., *Didymoglossum hymenoides* (Hedwig) Copel., *Microgonium schaffneri* Bosch *ex* Fée
Global distribution: Mexico, Guatemala, Belize, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil, Bolivia, Argentina, Uruguay.
Salvadoran distribution: **Ahuachapán**: R. Seiler 964 (F, MHES). **Santa Ana**: R. Seiler

302 (F, MHES); 357 (F, ITIC, MHES); S. Winkler 64 (ITIC).

♦ ***Trichomanes hymenophylloides*** Bosch, Ned. Kruidk. Arch. 5: 209. 1863.
Trichomanes leptophyllum Bosch, *Vandenboschia hymenophylloides* (Bosch) Copel.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guyana, Suriname, French Guyana, Ecuador, Brazil.
Salvadoran distribution: **Santa Ana**: J.Monterrosa & D.Rodríguez 1586 (BM, LAGU, MO).

Trichomanes krausii Hook. & Grev., Icon. Filic. t. 149. 1831.
Didymoglossum krausii (Hook. & Grev.) C. Presl, *Hemiphlebium krausii* (Hook. & Grev.) Prantl
Global distribution: USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina.
Local names: helecho musgo de pimiento
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 685 (B, LAGU). **Santa Ana**: S. Winkler 94 (ITIC). **Morazán**: R. Seiler 1020 (F, MHES).

Trichomanes petersii A. Gray, Amer. J. Sci. Arts 15: 326. 1853.
Microgonium petersii (A. Gray) Bosch, *Hemiphlebium petersii* (A. Gray) Prantl, *Didymoglossum petersii* (A. Gray) Copel., *Trichomanes schaffneri* Schltdl.
Global distribution: USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica.
Salvadoran distribution: **Chalatenango**: R. Seiler 390 (JBL00107) (F, ITIC, LAGU, MHES).

Trichomanes radicans Sw., J. Bot. (Schrader) 1800(2): 97. 1801.
Trichomanes scandens Hedw., *T. kunzeanum* Hook., *T. Mexicanum* Bosch, *Vandenboschia radicans* (Sw.) Copel.
Local names: helecho plumajillo, helecho pluma de quetzal.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Europe, Asia, Africa.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1982, 1985 (B, BM, ITIC, LAGU, MO); E. Sandoval & F. Chinchilla 44, 518 (B, LAGU); J.G. Sandoval *et al.* s.n. (ISB00026) (B, LAGU, MO); M. Sandoval & E. Sandoval s.n. (ISB00799) (AAU, F, LAGU); R. Seiler 812 (F, ITIC, MHES); 958 (F, MHES); W. Berendsohn *et al.* 1363 (B, BG, LAGU, MO). **Sonsonate**: A. Molina *et al.* 21771 (F); J.L. Linares & C.A. Martínez 3035 (JBL01905) (LAGU); R. Seiler 618 (F, ITIC, MHES). **Santa Ana**: A. Molina *et al.* 12648, 16905 (F); J. Monterrosa *et al.* 172 (B, BM, LAGU, MO); N. López *et al.* s.n. (JBL04627) (LAGU); R. Seiler 116, 364 (F, ITIC, MHES); R. Villacorta & M. Calderón 368 (B, LAGU, MO); S. Winkler 93 (ITIC); W. Berendsohn *et al.* 1542 (B, LAGU, MO). **San Salvador**: R. Seiler 341 (F, MHES). **Chalatenango**: J. Tucker 1217 (F).

Trichomanes reptans Sw., Prodr. 136. 1788.
Didymoglossum reptans (Sw.) C. Presl, *Hemiphlebium reptans* (Sw.) Prantl

Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 576 (B, LAGU); G. Davidse *et al.* 37423 (B, BM, ITIC, LAGU, MO). **Sonsonate**: R. Seiler 598 (F, MHES). **Santa Ana**: S. Winkler 95 (ITIC). **Chalatenango**: R. Seiler 391 (F, MHES). **Usulután**: A.K. Monro *et al.* 3005 (B, BM, ITIC, LAGU, MO).

▸ ***Trichomanes robinsonii*** Baker, J. Linn. Soc. Bot. 9: 339. 1866.
Global distribution: Honduras.
Source: Löetschert (1954): 25; Berendsohn (1989) 1: 13.

LINDSAEACEAE

Lindsaea stricta (Sw.) Dryand. var. ***stricta***, Trans. Linn. Soc. London 3: 42. 1797.
Adiantum strictum Sw., *Lindsaea portoricensis* Desv., *L. microphylla* C. Presl, *L. multifrondosa* Fée, *L. moritziana* Klotzsch
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Morazán**: A.K. Monro *et al.* 3856 (B, BM, ITIC, LAGU, MO); K. Sidwell *et al.* 733, 734 (B, BM, ITIC, LAGU, MO); M. Renderos *et al.* 605 (AAU, B, LAGU, MO); R. Seiler 1073 (F, MHES).
Note: Seiler (1982) and Berendsohn (1989) treat *L. stricta* and *L. portoricensis* as distinct species.

▸ ***Lonchitis hirsutus*** L., Sp. Pl. 2: 1078. 1753.
Anisosorus hirsutus (L.) Maxon, *Pteris lacinata* Willd.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Suriname, Ecuador, Peru, SE Brazil, Bolivia.
Source: Seiler (1982): 386; Berendsohn (1989) 1: 8.

LOMARIOPSIDACEAE

Cyclopeltis semicordata (Sw.) J. Sm., Bot. Mag. 72 (Compendium): 36. 1846.
Polypodium semicordatum Sw., *Aspidium semicordatum* (Sw.) Sw., *Dryopteris semicordata* (Sw.) Kuntze, *Polypodium semicordatum* (Sw.) T. Moore
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Ahuachapán**: J.M. Rosales 488 (AAU, B, BM, LAGU, MO); R. Seiler 925 (F, MHES). **Sonsonate**: D. Rodríguez & M. Trejo 99 (LAGU). **San Miguel**: A. Salgado 70 (F, MHES); J. Tucker 925 (F).

Nephrolepis biserrata (Sw.) Schott, Gen. Fil., t. 3. 1834.
Aspidium biserratum Sw., *Nephrolepis mollis* Rosenst.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa

Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Africa, Asia, Polynesia.
Local names: helecho cola de pescado
Salvadoran distribution: **Ahuachapán**: M. Magaña 17 (MP-00030) (LAGU). **La Libertad**: R. Seiler 1046 (F, MHES). **Chalatenango**: L. Lara 211 (MHES).

Nephrolepis cordifolia (L.) C. Presl, Suppl. Tent. Pterid. 79. 1836.
Polypodium cordifolium L.
Local names: centavito, helecho cola de ardilla.
Global distribution: USA, Mexico, Guatemala, Honduras, Panama, Antilles, Peru, Brazil, Trópicos del Viejo Mundo.
Salvadoran distribution: **La Libertad**: K. Prestegard 47 (MP-00028) (LAGU); M. Magaña 46 (MP-00027) (LAGU). **San Salvador**: R. Seiler 509 (F, MHES); Vaquerano s.n. (12-923) (MHES).

Nephrolepis hirsutula (G. Forst.) C. Presl, Suppl. Tent. Pterid. 79. 1836.
Polypodium hirsutulum G. Forst., *Davallia multiflora* Roxb., *Nephrolepis multiflora* (Roxb.) Jarret *ex* C.V. Morton
Local name: helecho cola de quetzal.
Global distribution: USA, Mexico, Belize, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Ecuador, Peru, Brazil, Bolivia, Asia, Polynesia.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 79 (LAGU, MO); E. Sandoval & E. Fuentes 1300 (B, LAGU); E. Sandoval & M. Sandoval 1016 (B, LAGU); R. Seiler 945 (F); S. Castillo s.n. (ISF00687) (B, F, LAGU, MO); T. Croat 42159 (ITIC). **La Libertad**: E.A. Montalvo 73a (ITIC); K. Prestegard 27 (MP-00034) (LAGU). **San Salvador**: R. Seiler 223, 373 (F, MHES). **Chalatenango**: L. Lara 141 (MHES). **La Paz**: R. Villacorta *et al.* 2855 (AAU, B, BM, LAGU, MO). **Usulután**: D. Williams 51 (B, EAP, LAGU, MO). **Morazán**: R. Seiler 1044 (F, ITIC); 1088a (F, ITIC, MHES).

Nephrolepis undulata (Afzel. *ex* Sw.) J. Sm., Bot. Mag. 72 (Compendium): 35 bis. 1846.
Aspidium undulatum Afzel. *ex* Sw., *Nephrolepis occidentalis* Kunze, *N. intermedia* Fée
Local names: helecho cola de iguana, helecho cola de quezallio, helecho quetzal.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Africa, Asia.
Salvadoran distribution: **Ahuachapán**: E. Sandoval *et al.* 773, 1070 (B, LAGU); M. Sandoval & E. Sandoval 70 (B, F, LAGU). **Santa Ana**: B. Pfeiffer-Berendsohn 58 (B, LAGU, MO); R. Seiler 1215 (F, MHES). **San Salvador**: R. Seiler 44 (F, MHES); 637 (MHES).

LYGODIACEAE

Lygodium venustum Sw., J. Bot. (Schrader) 1801(2): 303. 1803.
Lygodium mexicanum C. Presl
Local names: alambrillo, helecho bejuco de san pablo, helecho crespillo.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica,

Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Salvadoran distribution: **Ahuachapán**: A. Sermeño 42 (JBL00946) (B, F, LAGU, MO); D. Witsberger s.n. (12-998) (MHES); E. Sandoval & M. Sandoval 1150 (B, LAGU); F. Chinchilla s.n. (ISB00307), s.n. (ISB00377) (LAGU); J.L. Linares & C.A. Martínez 3085 (JBL01902) (LAGU); J.M. Rosales 241, 477 (AAU, B, BM, LAGU, MO); 1128 (B, BM, LAGU, MO); 1858, 2403 (B, BM, LAGU, MEXU, MO); M. Sandoval & E. Sandoval 106 (B, LAGU); O. Guerrero s.n. (ISF00448) (AAU, B, F, LAGU); O. Rivera D. & E. Sandoval s.n. (ISB00695) (AAU, B, F, LAGU); S. Castillo s.n. (ISF00108) (B, LAGU); W. Berendsohn *et al.* 1412 (B, LAGU, MO). **Santa Ana**: J.C. González & R. Villacorta 121 (B, LAGU, MO); J.L. Linares & C.A. Martínez 1169 (JBL04295) (LAGU); K. Prestegard 22 (MP-00045) (LAGU). **La Libertad**: L.O. Williams *et al.* 15218 (F); N. Ventura 5008 (ITIC); O. González *et al.* s.n. (JBL04501) (LAGU); R. Villacorta 1187 (B, LAGU, MO). **San Salvador**: M.C. Carlson s.n., 11 (F). **Chalatenango**: M.L. Reyna de Aguilar 269 (MHES). **La Paz**: R. Villacorta & S. Villacorta 1147 (B, ITIC, LAGU, MO); W. Berendsohn *et al.* 1194 (B, F, HBG, LAGU). **San Vicente**: P. Standley *et al.* 3516a, 3669 (F). **San Miguel**: A. Salgado 68 (MHES); J. Tucker 816 (F). **Cabañas**: G. Davidse *et al.* 37095 (B, BM, ITIC, LAGU, MO); R.A. Carballo *et al.* 222 (B, LAGU, MO). **Morazán**: J. Monterrosa & C. Rivera 670 (B, BM, LAGU, MO). **La Unión**: A.K. Monro *et al.* 2762 (B, BM, ITIC, LAGU, MO); G.W. Barclay 2632 (F).

MARATTIACEAE

Marattia excavata Underw., N. Amer. Fl. 16: 22. 1909.
Local names: helecho casco de mula, helecho casco de burro.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Sonsonate**: J.L. Linares & C.A. Martínez 3046 (JBL01932) (LAGU). **Santa Ana**: A. Molina *et al.* 21493 (ITIC); G. Cerén & D. Rodríguez s.n. (JBL04652) (LAGU); J. Monterrosa & R. Carballo 854 (LAGU); J. Monterrosa & R. Martínez 947 (LAGU); L. González s.n. (ITIC); L. Lara 229 (MHES); R. Seiler 268 (MHES); R. Villacorta *et al.* 1054 (B, LAGU, MO). **Chalatenango**: R. Seiler 436 (JBL00112) (LAGU, MHES). **Morazán**: R. Seiler 1031a (ITIC, MHES).
Note: Used by local people in Montecristo National Park as a contraceptive.

Marattia weinmanniifolia Liebm., Mexic. Bregn. 308 (reprint 156). 1849.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama.
Salvadoran distribution: **Santa Ana**: R. Seiler 234 (F, MHES).

MARSILEACEAE

Marsilea ancylopoda A. Braun, Monatsber. Königl. Preuss. Akad. Wiss. Berlin 1863: 434. 1864.
Zaluzianskia ancylopoda (A. Braun) Kuntze, *Z. mexicana* (A. Braun) Kuntze, *Marsilea mexicana* A. Braun
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina, Uruguay.

Salvadoran distribution: **La Unión**: N.C. Fassett 28654 (ITIC); R. Villacorta *et al.* 2708 (LAGU); J. Monterrosa & R. Villacorta 1636 (BM, LAGU, MHES, MO).

OPHIOGLOSSACEAE

▸ ***Botrychium schaffneri*** Underw., Bull. Torrey Bot. Club 30: 51. 1903.
Sceptridium schaffneri (Underw.) Lyon, *S. pusillum* (Underw.) Lyon, *Botrychium pusillum* Underw., *B. schaffneri* Underw. var. *pusillum* (Underw.) R. T. Clausen
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Colombia, Venezuela, Ecuador, Peru, Bolivia, Argentina.
Source: Seiler (1982): 382; Berendsohn (1989) 1: 15; Mickel & Smith (2004): 163.

Botrychium underwoodianum Maxon, Bull. Torrey Bot. Club 32: 222. 1905.
Botrychium ternatum Hook. & Baker var. *daedaleum* Christ
Global distribution: Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Brazil.
Salvadoran distribution: **Santa Ana**: B. Pfeiffer-Berendsohn 46 (B, LAGU, MO); 49 (LAGU, MO); M.L. Reyna de Aguilar 778 (MHES); S. Winkler 8a (ITIC).

***Botrychium virginianum* (L.) Sw.**, J. Bot. (Schrader) 1800(2): 111. 1801.
Osmunda virginiana L., *O. Cicutaria* Savigny *in* Lamark, *Botrychium cicutarium* (Savigny) Sw., *B. virginianum* (L.) Sw. var. *mexicanum* Hook. & Grev., *B. brachystachys* Kunze, *B. virginianum* (L.) Sw. var. *meridionale* Butters, *B.* β *virginianum* subsp. *meridionale* (Butters) R. T. Clausen
Global distribution: Canada, USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia; Europe, Asia.
Salvadoran distribution: **Santa Ana**: F. Wunderlin 1230 (ITIC); J. Monterrosa *et al.* 197 (LAGU); 1023 (B, LAGU, NY); M.L. Reyna de Aguilar 679 (MHES); R. Seiler 132 (F, MHES); 252 (F, ITIC); 1146 (F). **Chalatenango**: R. Seiler 382 (JBL00093) (LAGU, MHES).

Ophioglossum reticulatum L., Sp. Pl. 2: 1063. 1753.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Argentina, Africa, Asia.
Salvadoran distribution: **Santa Ana**: M.L. Reyna de Aguilar 777 (MHES).

OSMUNDACEAE

Osmunda cinnamomea L., Sp. pl. 2: 1066. 1753.
Osmundastrum cinnamomeum (L.) C. Presl
Global distribution: Canada, USA, Mexico, Guatemala, Honduras, Costa Rica, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Paraguay; Asia.
Salvadoran distribution: **Sonsonate**: R. Villacorta 768 (B, LAGU, MO). **Morazán**: R. Seiler 1009, 1075 (F, MHES); S. Winkler 7b (ITIC).

Osmunda regalis L. var. ***spectabilis*** (Willd.) A. Gray, Manual, ed. 2, 600. 1856.
Osmunda spectabilis Willd., *O. mexicana* Fée, *O. palmeri* A. E. Bobrov
Local names: helecho real.
Global distribution: Canada, USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina, Uruguay.
Salvadoran distribution: **Ahuachapán**: G. Davidse *et al.* 37401 (B, BM, ITIC, LAGU, MO); N.C. Fassett 28718a (ITIC); N. Herrera s.n. (JBL03779) (B, LAGU, MO). **Sonsonate**: R. Villacorta 771 (B, LAGU, MO). **Santa Ana**: R. Seiler 779 (F). **Morazán**: R. Seiler 977 (F, ITIC, MHES).

POLYPODIACEAE

Campyloneurum amphostemon (Kunze *ex* Klotzsch) Fée, Mém. Foug. 5: 258. 1852.
Polypodium amphostemon Kunze *ex* Klotzsch, *P. angustifolium* Sw. var. *amphostemon* (Kunze *ex* Klotzsch) Baker *in* Martius, *Campyloneurum angustifolium* (Sw.) Fée var. *amphostemon* (Kunze *ex* Klotzsch) Farw.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 16764 (F, ITIC); J. Monterrosa *et al.* 193 (B, BM, LAGU, MO); R. Seiler 89, 113 (F, MHES); 187 (MHES); 656, 669 (F, MHES); S. Winkler 49, 58 (ITIC). **Chalatenango**: R. Seiler 385 (JBL00203) (LAGU, MHES); 395 (JBL04945) (F, LAGU, MHES); 392, 754, 755 (F, MHES); W. Berendsohn *et al.* 1592 (B, LAGU, MO).

Campyloneurum angustifolium (Sw.) Fée, Mém. Foug. 5: 257. 1852.
Polypodium angustifolium Sw.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Ahuachapán**: P. Standley *et al.* 19932 (F). **Santa Ana**: R. Seiler 707 (MHES). **Chalatenango**: R. Seiler 393 (JBL00196) (F, LAGU); 394 (JBL00202) (F, LAGU, MHES). **San Vicente**: S. Winkler 69 (ITIC).

▸ ***Campyloneurum costatum*** (Kunze) C. Presl, Suppl. Tent. Pterid. 190. 1836.
Polypodium costatum Kunze
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Brazil.
Source: Seiler (1982): 385 (as *Polypodium costatum*); Berendsohn (1989) 1: 17 (as *Polypodium costatum*).

Campyloneurum ensifolium (Willd.) J. Sm., Cat. Cult. Ferns 12. 1857.
Polypodium ensifolium Willd., *P. angustifolium* Sw. var. *ensifolium* (Willd.) Hicken, *Campyloneurum angustifolium* (Sw.) Fée var. *ensifolium* (Willd.) Farw.
Local names: ajillo, helecho barba de cacique, helecho barbiquejo.
Global distribution: Mexico, Guatemala.
Salvadoran distribution: Jaurequi 87 (UC) (Mickel & Smith 2004). **Ahuachapán**: A.K. Monro *et al.* 2971, 3425 (B, BM, ITIC, LAGU, MO); E. Sandoval 1258 (B, LAGU);

J.L. Linares 516 (JBL01863) (LAGU); P. Standley *et al.* 2640 (F); R. Seiler 969 (F, MHES); R. Villacorta *et al.* 869 (B, ITIC, LAGU); S. de Moore s.n. (12-926) (MHES); W. Berendsohn *et al.* 1370, 1433 (B, LAGU, MO). **Sonsonate**: R. Seiler 3 (F, MHES). **Santa Ana**: A. del Cid 1614 (ITIC); A. Mangandi *et al.* s.n. (JBL04469) (LAGU); A.K. Monro *et al.* 2304 (B, BM, ITIC, LAGU, MO); E.A. Montalvo s.n. (ITIC); J. Monterrosa & R. Carballo 512 (B, LAGU, MO); M. Magaña 32 (MP-00039) (LAGU); R. Villacorta 2173 (B, LAGU, MO); S. Winkler s.n., 50 (ITIC); V.M. Martínez s.n. (CMC00256) (LAGU). **La Libertad**: E.A. Montalvo 4298 (ITIC). **San Salvador**: P. Standley *et al.* 22672 (F). **La Paz**: S. Flores 9 (ITIC). **San Vicente**: E.A. Montalvo s.n. (ITIC). **Usulután**: D. Williams & R.W. Herrera 455 (LAGU). **San Miguel**: A. Salgado 67 (F, MHES).

Note: This species name has been placed in synonomy, or as a variety of *C. angustifolium*. Lellinger (1988) and León (1992) clarify the diagnostic characters (scale cell shape). See discussion by Mickel & Smith (2004) under *C. ensifolium*.

Campyloneurum phyllitidis (L.) C. Presl, Suppl. Tent. Pterid. 190. 1836.
Polypodium phyllitidis L.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **San Salvador**: R. Seiler 971 (F, MHES).

Campyloneurum xalapense Feé, Mém. Foug. 5: 258. 1852.
Polypodium xalapense (Fée) Christ, *P. weatherbyanum* F. Seym., *Campyloneurum caudatum* Fée . Local name: cincho.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica.
Salvadoran distribution: **Ahuachapán**: M.L. Reyna de Aguilar 651 (MHES); R. Seiler 907 (F, ITIC, MHES). **Sonsonate**: R. Seiler 595 (F, MHES); R. Villacorta *et al.* 329 (LAGU, MO). **Santa Ana**: A. Molina *et al.* 12658; B. Pfeiffer-Berendsohn 48 (B, LAGU, MO); 76 (LAGU, MO); J. Monterrosa *et al.* 178, 968 (LAGU); J. Monterrosa & R. Carballo 278 (B, BM, LAGU, MO); 978 (B, LAGU, NY); M.B. Siu s.n. (ITIC); R. Seiler 122 (F, ITIC, MHES); 274, 670 (F, MHES); S. Winkler 57 (ITIC). **San Salvador**: M.C. Carlson 505 (F); S. Winkler 59 (ITIC). **San Vicente**: E.A. Montalvo 4655 (ITIC); R. Seiler 324 (F); 325 (F, MHES). **San Miguel**: M. Renderos *et al.* 672 (LAGU).

Ceradenia jungermannioides (Klotzsch) L. E. Bishop, Amer. Fern J. 78: 4. 1988.
Polypodium jungermannioides Klotzsch, *Grammitis jungermannioides* (Klotzsch) Ching
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Brazil; Azores.
Salvadoran distribution: R. Seiler 1194 (UC) (A.R. Smith in Davidse *et al.* 1995). **Santa Ana**: R. Seiler 124 (F, ITIC, MHES).

▸ ***Ceradenia margaritata*** (A. R. Sm.) L. E. Bishop, Amer. Fern J. 78: 5. 1988.
Grammitis margaritata A. R. Sm.
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: Tucker 1075 (UC) (A.R. Smith in Davidse *et al.* 1995).

Source: Smith in Davidse *et al.* (1995): 370; Mickel & Smith (2004): 173.

Cochlidium rostratum (Hook.) Maxon *ex* C. Chr., Dansk Bot. Ark. 6(3): 23. 1929.
Monogramma rostrata Hook., *Grammitis rostrata* (Hook.) R. M. Tryon & A. F. Tryon
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela.
Salvadoran distribution: **Sonsonate**: R. Seiler 606 (F, MHES). **Santa Ana**: A. Molina *et al.* 12492, 16796 (F); J. Toledo s.n. (ITIC); R. Seiler 98 (F, MHES); 647 (MHES). **Morazán**: R. Seiler 997 (F, MHES); S. Winkler 46 (ITIC).

Cochlidium serrulatum (Sw.) L. E. Bishop, Amer. Fern J. 68: 80. 1978.
Acrostichum serrulatum Sw., *Grammitis serrulata* (Sw.) Sw., *Xiphopteris serrulata* (Sw.) Kaulf., *Polypodium serrulatum* (Sw.) Mett., *P. duale* Maxon
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Ecuador, Peru, Brazil, Bolivia, Africa.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1968 (B, BM, ITIC, LAGU, MO). **Chalatenango**: S. Winkler 45 (ITIC). **Morazán**: R. Seiler 1004 (F, MHES, NY).

▸ ***Lellingeria apiculata*** (Kunze *ex* Klotzsch) A. R. Sm. & R. C. Moran, Amer. Fern J. 81: 83. 1991.
Polypodium apiculatum Kunze *ex* Klotzsch, *Ctenopteris apiculata* (Kunze *ex* Klotzsch) Copel., *Grammitis apiculata* (Kunze *ex* Klotzsch) F. Seym.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Ecuador, Peru, Bolivia, Brazil.
Source: Seiler (1982): 385 (as *Grammitis appiculata*); Berendsohn (1989) 1: 16 (as *Grammitis appiculata*).

Lellingeria prionodes (Mickel & Beitel) A. R. Sm. & R. C. Moran, Amer. Fern J. 81: 86. 1991.
Grammitis prionodes Mickel & Beitel
Global distribution: Mexico, Guatemala, Honduras, Nicaragua.
Salvadoran distribution: **Sonsonate**: R. Seiler 602 (F, MHES). **Santa Ana**: E.A. Montalvo 4155 (ITIC); J. Monterrosa *et al.* 226 (B, LAGU); L. Lara 237 (MHES); R. Villacorta & L. Lara 2664 (B, LAGU). **Chalatenango**: S. Winkler 81 (ITIC). **Morazán**: R. Seiler 999 (F, MHES).

Loxogramme mexicana (Fée) C. Chr., Index Filic. Suppl. 3: 25. 1934.
Selliguea mexicana Fée, *Gymnogramma mexicana* (Fée) Baker *in* Hooker & Baker, *G. salvinii* (Hook.) Hook., *Grammitis salvinii* Hook., *Loxogramme salvinii* (Hook.) Maxon
Global distribution: Mexico, Guatemala, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Ahuachapán**: E.A. Montalvo 57 (ITIC); G. Davidse *et al.* 37411 (B, BM, ITIC, LAGU, MO); R. Seiler 822 (F, MHES). **Santa Ana**: R. Seiler 359, 503 (F, MHES). **San Salvador**: R. Seiler 342 (F, MHES).

▸ ***Melpomene deltata*** (Mickel & Beitel) A. R. Sm. & R. C. Moran, Novon 2: 429. 1992.
Grammitis deltata Mickel & Beitel

Global distribution: Mexico, Honduras.
Source: Mickel & Beitel (1988): 199; Moran & Smith in Davidse *et al.* (1995): 381; Mickel & Smith (2004): 390.

Melpomene firma (J. Sm.) A. R. Sm. & R. C. Moran, Novon 2: 430. 1992.
Polypodium firmum Klotzsch, *P. aromaticum* Maxon, *Ctenopteris firma* J. Sm., *C. aromatica* (Maxon) Copel., *Grammitis firma* (J. Sm.) C. V. Morton, *G. aromatica* (Maxon) Proctor
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Sonsonate**: R. Seiler 603 (MHES). **Santa Ana**: J. Monterrosa *et al.* 182 (LAGU); R. Seiler 96 (F, ITIC, MHES). **Chalatenango**: R. Seiler 737 (MHES). **Morazán**: R. Seiler 998 (F, MHES).

▸ ***Melpomene leptostoma*** (Fée) A. R. Sm. & R. C. Moran, Novon 2: 430. 1992.
Polypodium leptostomum Fée, *Polypodium productum* Maxon, *Ctenopteris leptostoma* (Fée) Copel., *Grammitis leptostoma* (Fée) F. Seym.
Global distribution: Mexico, Guatemala.
Source: Stolze (1981): 258 (as *Grammitis leptostoma*); Berendsohn (1989) 1: 16 (as *Grammitis leptostoma*).

Melpomene moniliformis (Lag. *ex* Sw.) A. R. Sm. & R. C. Moran, Novon 2: 430. 1992.
Polypodium moniliforme Lag. *ex* Sw., *P. moniliforme* Lag. *ex* Sw. var. *major* Liebm. *Ctenopteris moniliformis* (Lag. *ex* Sw.) J. Sm., *Grammitis moniliformis* (Lag. *ex* Sw.) Proctor
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: L. Lara 98 (MHES); M.C. Carlson 900a (F); W. Berendsohn *et al.* 1550 (B, LAGU). **Chalatenango**: R. Seiler 431 (JBL04944) (F, LAGU, MHES); R. Seiler 748 (F, MHES); 758 (MHES); R. Villacorta *et al.* 2074 (B, LAGU, MO); W. Berendsohn *et al.* 1568 (B, LAGU, MO).

▸ ***Melpomene pilosissima*** (M. Martens & Galeotti) A. R. Sm. & R. C. Moran, Novon 2: 431. 1992.
Polypodium pilosissimum M. Martens & Galeotti, *Ctenopteris pilosissima* (M. Martens & Galeotti) Copel., *Grammitis pilosissima* (M. Martens & Galeotti) C. V. Morton
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Colombia, Venezuela, Suriname, Ecuador, Peru, Bolivia, Brazil.
Source: Seiler (1982): 386 (as *Grammitis pilossisima*); Berendsohn (1989) 1: 16 (as *Grammitis pilossisima*).

Melpomene xiphopteroides (Liebm.) A. R. Sm. & R. C. Moran, Novon 2: 431. 1992.
Polypodium xiphopteroides Liebm., *P. rigens* Maxon, *Ctenopteris rigens* (Maxon) Copel., *C. megaloura* Copel., *Grammitis xiphopteroides* (Liebm.) A. R. Sm., *Grammitis rigens* (Maxon) Proctor
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: R. Seiler 93 (F, MHES); 95 (ITIC, MHES).

‣ ***Micropolypodium basiattenuatum*** (Jenman) A. R. Sm., Novon 2: 422. 1992.
Polypodium basiattenuatum Jenman, *Xiphopteris basiattenuata* (Jenman) Copel., *Grammitis basiattenuata* (Jenman) Proctor, *G. basiattenuata* (Jenman) Proctor var. *valens* Mickel & Beitel
Global distribution: Mexico, Guatemala, Honduras, Antilles, Venezuela.
Salvadoran distribution: R. Seiler 1133, NY (Mickel & Smith 2004).
Source: Seiler (1982): 385 (as *Grammitis basiattenuata*); Berendsohn (1989) 1: 16 (as *Grammitis rigens*); Smith in Davidse *et al.* (1995): 383; Mickel & Smith (2004): 400.

Niphidium crassifolium (L.) Lellinger, Amer. Fern J. 62: 106. 1972.
Polypodium crassifolium L., *Pessopteris crassifolia* (L.) Underw. & Maxon
Local name: cincho.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Salvadoran distribution: Seiler 1529, MO (Pacheco in Davidse *et al.* 1995). **Santa Ana**: R. Seiler 491 (F, MHES). **La Libertad**: O. Pank s.n. (MP-00041) (LAGU).

Pecluma alfredii (Rosenst.) M. G. Price var. ***cupreolepis*** (A. M. Evans) A. R. Sm., Mem. New York Bot. Gard. 88: 437. 2004.
Polypodium cupreolepis A. M. Evans, *Pecluma cupreolepis* (A. M. Evans) M. G. Price
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica.
Salvadoran distribution: **Ahuachapán**: J.M. Rosales 410 (AAU, B, BM, LAGU, MO); R. Seiler 914 (F, ITIC); 968 (F, MHES). **Santa Ana**: B. Pfeiffer-Berendsohn 81 (LAGU, MO); G. Cerén & D. Rodríguez s.n. (JBL04647) (LAGU); J. Tucker 1249 (F); R. Seiler 129 (F, MHES); 287 (MHES). **Chalatenango**: R. Seiler 385 (F, MHES). **San Vicente**: E.A. Montalvo 73b (ITIC). **San Miguel**: W. Eggler 665 (ITIC). **Morazán**: R. Seiler 1023 (F, MHES).

Pecluma plumula (Humb. & Bonpl. *ex* Willd.) M.G. Price, Amer. Fern J. 73: 115. 1983.
Polypodium plumula Humb. & Bonpl. *ex* Willd., *P. pulchrum* M. Martens & Galeotti, *P. pulchrum* M. Martens & Galeotti var. *minus* E. Fourn., *Ctenopteris plumula* (Humb. & Bonpl. *ex* Willd.) J. Sm.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Ahuachapán**: E.A. Montalvo 62 (ITIC); H. Weber 35 (ITIC); R. Villacorta *et al.* 872 (B, LAGU, MO); W. Berendsohn *et al.* 1373 (B, LAGU, MO). **Sonsonate**: R. Seiler 75 (F, MHES). **Santa Ana**: M.B. Siu s.n. (ITIC); R.A. Carballo & E.O. Ramos 675 (B, LAGU, MO). **La Libertad**: M. Renderos 496, B, K (LAGU, MO); N. Ventura 5016 (ITIC); S. Guadalupe & F. Lessette s.n. (JBL04481) (LAGU). **San Salvador**: M.C. Carlson 356 (F). **San Vicente**: R. Seiler 323 (F, MHES). **Usulután**: D. Williams 56 (LAGU, MO); D. Williams & R.W. Herrera 298 (LAGU). **San Miguel**: A. Salgado 64 (F, MHES). **Usulután**: E.A. Montalvo 5035, 5037 (ITIC). **Morazán**: J. Monterrosa & C. Rivera 696 (B, LAGU, MO); R.A. Carballo *et al.* 1044 (LAGU).

Phlebodium pseudoaureum (Cav.) Lellinger, Amer. Fern J. 77: 101. 1987.
Polypodium pseudoaureum Cav., *Polypodium areolatum* Humb. & Bonpl. *ex* Willd., *P.*

areolatum Humb. & Bonpl. *ex* Willd. var. *loreum* J. Bommer, *P. aureum* auct., en parte L., *Goniophlebium areolatum* (Humb. & Bonpl. *ex* Willd.) C. Presl, *Phlebodium aureum* auct., en parte (L.) J. Sm.
Local names: helecho calaguala, helecho cola de pavo real.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Ecuador, Peru, Brazil, Bolivia, Argentina, Paraguay.
Salvadoran distribution: **Ahuachapán**: D. Witsberger 696 (MHES); E. Sandoval & M. Sandoval 1299 (B, LAGU); W. Berendsohn *et al.* 1458 (LAGU). **Santa Ana**: G. Davidse *et al.* 37233 (B, BM, ITIC, LAGU, MO); J. Monterrosa & R. Carballo 284 (B, BM, EAP, F, LAGU, MO); R. Seiler 185 (MHES). **San Salvador**: R. Seiler 28, 56, 513 (MHES). **San Vicente**: R. Seiler 317 (MHES). **Usulután**: D. Williams & R.W. Herrera 442 (LAGU). **Morazán**: R. Seiler 1000 (MHES).

Pleopeltis angusta Humb. & Bonpl. *ex* Willd. var. ***angusta***, Sp. Pl., ed. 4, 5(1): 211. 1810.
Polypodium angustum (Humb. & Bonpl. *ex* Willd.) Liebm.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua.
Local names: helecho mano de mapache, helecho pié de mapache.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 2977, 3426 (B, BM, ITIC, LAGU, MO); D. Witsberger 688 (MHES); E. Sandoval & M. Sandoval 1298 (B, LAGU); F. Chinchilla s.n. (ISB00206) (B, LAGU, MO); M. Magaña 16 (MP-00040) (LAGU); R. Seiler 913, 967 (F, MHES); S. de Moore s.n. (12-927) (MHES); W. Berendsohn *et al.* 1456, 1459 (LAGU). **Sonsonate**: R. Seiler 627 (F, MHES). **Santa Ana**: B. Pfeiffer-Berendsohn *et al.* 10 (B, F, LAGU, MO); G. Cerén & D. Rodríguez s.n. (JBL04668) (LAGU); J. Monterrosa *et al.* 175 (B, BM, LAGU, MO); 176 (B, LAGU, MO); J. Monterrosa *et al.* 920 (B, LAGU, NY); 973 (LAGU); K. Sidwell *et al.* 436 (B, BM, ITIC, LAGU, MO); M.B. Siu s.n. (ITIC); R. Seiler 168 (F, MHES). **La Libertad**: W. Berendsohn *et al.* 1445 (LAGU); W. Eggler 681 (ITIC). **San Salvador**: A.K. Monro *et al.* 2240 (B, BM, ITIC, LAGU, MO); M.C. Carlson 429 (F); O. Rohweder s.n. (ITIC); R. Seiler 26 (F, ITIC, MHES). **Usulután**: A.K. Monro *et al.* 2999 (B, BM, ITIC, LAGU, MO); D. Williams 129 (B, LAGU, MO). **San Miguel**: K. Sidwell *et al.* 884 (B, BM, ITIC, LAGU, MO).

Pleopeltis astrolepis (Liebm.) E. Fourn., Mexic. Pl. I: 87. 1872.
Polypodium astrolepis Liebm., *P. elongatum* (Sw.) Mett., *P. lanceolatum* L. var. *elongatum* (Sw.) Krug, *Phlebodium astrolepis* (Liebm.) Conzantti, *Grammitis lanceolata* Schkuhr, *G. revoluta* Spreng. ex Willd., *Gymnogramma elongata* (Sw.) Hook., *Pleopeltis revoluta* (Spreng. *ex* Willd.) A. R. Sm.
Local names: helecho barba amarilla, helecho barba negra, helecho barbiquejo.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Ahuachapán**: A.K. Monro & M.L. Fomtg 2973 (B, BM, ITIC, LAGU, MO); D. Witsberger 711 (MHES); E. Sandoval *et al.* 729, 1430 (B, LAGU); F. Chinchilla s.n. (AAU, B, LAGU); M. Sandoval & E. Sandoval 138 (F, LAGU); P. Standley *et al.* 2516 (F); R. Seiler 928, 965 (F, MHES); W. Berendsohn *et al.* 1430 (B, LAGU, MO); 1466 (LAGU). **Sonsonete**: R. Seiler 77 (F). **Santa Ana**: B.

Pfeiffer-Berendsohn 20 (LAGU, MO); V.M. Martínez s.n. (CMC00103) (LAGU). **La Libertad**: J. Monterrosa *et al.* s.n. (JBL04485) (LAGU); N. Ventura 5020 (ITIC); O. Rohweder 2634 (JBL01246), 2635 (JBL01245), 2636 (JBL01244) (LAGU); W. Zelaya *et al.* s.n. (LAGU). **San Salvador**: R. Seiler 507 (F, MHES); 1515 (F). **San Vicente**: E.A. Montalvo 5098 (ITIC). **Usulután**: E.A. Montalvo 5047 (ITIC); J. Lagos 1783 (ITIC). **Cuscatlán**: C. Salazar s.n. (ITIC).

Pleopeltis mexicana (Fée) Mickel & Beitel, Amer. Fern J. 77: 21. 1987.
Drymaria mexicana Fée, *Polypodium lanceolatum* L. var. *trichophorum* Weath., *Pleopeltis macrocarpa* (Bory *ex* Willd.) Kaulf. var. *trichophora* (Weath.) Pic. Serm.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 12652 (F; B). Pfeiffer-Berendsohn 26, 78, 79 (B, LAGU, MO); 56 (LAGU, MO); G. Davidse *et al.* 37164, 37306 (B, BM, ITIC, LAGU, MO); J. Monterrosa *et al.* 171 (B, BM, LAGU, MO); R. Seiler 109 (F, MHES); S. Winkler 56 (ITIC). **Chalatenango**: R. Seiler 386 (JBL00201) (ITIC, LAGU); R. Seiler 152, 729 (F, MHES). **Morazán**: R. Seiler 1005 (F, ITIC, MHES); 1015 (F, MHES).

Pleopeltis polylepis (Roemer *ex* Kunze) T. Moore var. ***interjecta*** (Weath) E. A. Hooper, Amer. Fern J. 85: 79. 1995.
Polypodium peltatum Cav. var. *interjectum* Weath., *Pleopeltis macrocarpa* (Bory *ex* Willd.) Kaulf. var. *interjecta* (Weath.) A. R. Sm., *P. interjecta* (Weath.) Mickel & Beitel
Global distribution: Mexico, Guatemala.
Salvadoran distribution: **Santa Ana**: W. Berendsohn *et al.* 1714 (B, LAGU).

Polypodium alansmithii R. C. Moran, Ann. Missouri Bot. Gard. 77: 845. 1990.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua.
Salvadoran distribution: **Sonsonate**: R. Seiler 633 (MHES). **Santa Ana**: A. Molina *et al.* 12562 (F; B). Pfeiffer-Berendsohn 77 (B, LAGU, MO); E.A. Montalvo s.n., 3641 (ITIC); G. Cerén & D. Rodríguez s.n. (JBL04667) (LAGU); G. Davidse *et al.* 37301 (B, BM, ITIC, LAGU, MO); J. Monterrosa *et al.* 165 (B, BM, LAGU, MO); 951, 964 (B, LAGU, NY); 942 (B, LAGU, MO, NY); 1007 (LAGU, NY); K. Sidwell *et al.* 847 (B, BM, ITIC, LAGU, MO); M.C. Carlson 726, 727, 970 (F); N.C. Fassett 28292 (ITIC); R. Seiler 87 (F); 91, 190 (F, MHES); R. Villacorta & Claus 2147 (B, LAGU, MO); W. Berendsohn 1303 (LAGU, MO). **San Salvador**: R. Seiler 214 (F, MHES). **Chalatenango**: R. Seiler 398 (JBL00198) (F, LAGU, MHES); W. Heed 36 (ITIC). **San Vicente**: R. Seiler 326 (MHES).

Polypodium castaneum Maxon & Tejero, Act. Bot. Mex. 67: 87. 2004.
Global distribution: Guatemala.
Salvadoran distribution: **Sonsonate**: Croat 42213, MO. **Santa Ana**: J. Monterrosa *et al.* 967 (B, BM, IZTA, LAGU, MO, NY).

Polypodium colpodes Kunze var. ***colpodes***, Linnea 23: 276, 316. 1850.
Polypodium fuscopetiolatum A. R. Sm.
Local names: helecho calaguala rojo, helecho de árbol, helecho pluma de ganzo.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia.

Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 2988, 3427 (B, BM, ITIC, LAGU, MO); E. Sandoval *et al.* 548, 1442 (B, LAGU); F. Chinchilla s.n. (ISB00658) (AAU, B, F, LAGU); J.M. Rosales 1061 (B, LAGU); 1301, 1491 (AAU, B, BM, LAGU, MO); 1420 (B, BM, LAGU, MO); M. Sandoval & E. Sandoval 58 (B, F, LAGU). **Sonsonate**: R. Seiler 38 (F, MHES); T. Croat 42237 (ITIC). **Santa Ana**: J. Lagos 1616 (ITIC); V.M. Martínez s.n. (CMC00306) (B, LAGU). **La Libertad**: N. Ventura 5017, 5021 (ITIC); R. Seiler 719 (F, MHES). **San Salvador**: R. Seiler 439, 584 (F, MHES); 514 (MHES). **Chalatenango**: L. Lara 210 (MHES); R. Seiler 473 (F, MHES).

♦***Polypodium diplotrichum*** Mickel & Beitel, Mem. New York Bot. Gard. 46: 297. 1988.
Goniophlebium lepidotrichum Fée
Global distribution: Mexico.
Salvadoran distribution: **Ahuachapán**: J.Monterrosa & D.Rodríguez 1446 (BM, IZTA, LAGU).

Polypodium fissidens Maxon, Contr. U.S. Natl. Herb. 8: 275. 1903.
Global distribution: Mexico, Guatemala, Honduras.
Local names: helecho calaguala
Salvadoran distribution: **Chalatenango**: W. Berendsohn *et al.* 1571 (B, LAGU); R. Seiler 156, 164, 756 (F, MHES).

Polypodium furfuraceum Schltdl. & Cham., Linnea 5: 607. 1830.
Polypodium nivosum Fée, *P. furfuraceum* Schltdl. & Cham. var. *coronulatum* E. Fourn., *P. furfuraceum* Schltdl. & Cham. var. *rufum* E. Fourn., *P. margallii* Rovirosa
Local names: cola de ardilla, helecho peine de indígena, helecho peinetero rojo, palmita de café.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Peru, Bolivia.
Salvadoran distribution: **Ahuachapán**: A.K. Monro & M.L. Fomtg 2972 (B, BM, ITIC, LAGU, MO); E. Sandoval *et al.* 1190, 1403 (B, LAGU); F. Chinchilla & E. Sandoval s.n. (ISB00428) (LAGU); R. Seiler 829 (ITIC); 970 (F, MHES); S. de Moore s.n. (12-929) (MHES); W. Berendsohn *et al.* 1429 (LAGU). **Sonsonate**: R. Seiler 5, 628 (F, MHES). **Santa Ana**: B. Pfeiffer-Berendsohn 19 (LAGU); E.A. Montalvo 4297 (ITIC); T. Croat 43037 (ITIC); V.M. Martínez s.n. (CMC00251) (LAGU). **La Libertad**: E.A. Montalvo 4302 (ITIC); N. Ventura 5005 (ITIC); V. Henríquez & C. Bermúdez s.n. (JBL04482) (LAGU); W. Berendsohn 1452 (LAGU). **San Salvador**: E.A. Montalvo 5350 (ITIC); L.O. Williams *et al.* 16746 (F); S. Flores 8 (ITIC). **San Vicente**: E.A. Montalvo 5091 (ITIC). **Cuscatlán**: C. Salazar s.n. (ITIC). **Usulután**: D. Williams & R.W. Herrera 300 (LAGU). **San Miguel**: A. Salgado 65b (F, MHES). **La Unión**: A.K. Monro *et al.* 2123 (B, BM, ITIC, LAGU, MO).

Polypodium hartwegianum Hook. *in* Bentham, Pl. Hartw. 54. 1840.
Polypodium ellipsoideum Fée, *P. pubescens* Fée
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 12560 (F, ITIC); J. Monterrosa *et al.* 1031, B, IZTA (LAGU, NY); 1044, IZTA (LAGU); L. Lara s.n. (12-992) (MHES);

R. Seiler 80, 81, 189, 672 (F, MHES). **Chalatenango**: E.A. Montalvo 4811 (ITIC); R. Seiler 430 (JBL00199) (LAGU); R. Seiler 162, 426 (F, MHES). **Morazán**: R. Seiler 1092 (F, ITIC, MHES).

▸ ***Polypodium hispidulum*** Bartlett, Proc. Amer. Acad. Arts 43: 48. 1907.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua.
Source: Seiler (1982): 385; Berendsohn (1989) 1: 17; Moran in Davidse *et al.* (1995): 358; Mickel & Smith (2004): 494.

▸ ***Polypodium lindenianum*** Kunze, Farrnkräuter 2: 83. 1851.
Polypodium cancellatum Fée, *P. verapax* Christ
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica.
Source: Stolze (1981): 408; Berendsohn (1989) 1: 17; Moran in Davidse *et al.* (1995): 362; Mickel & Smith (2004): 495.

Polypodium muenchii Christ, Bull. Herb. Boissier, sér. 2, 3: 147. 1903.
Pleopeltis muenchii (Christ) A. R. Sm., *Microgramma muenchii* (Christ) Copel., *Microphlebodium muenchii* (Christ) L. D. Gómez
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Chalatenango**: R. Villacorta *et al.* 2075 (B, LAGU); R. Seiler 400 (JBL00200) (LAGU); R. Seiler 153 (MHES); Tucker 1070 (EAP, F).

Polypodium plebeium Schltdl. & Cham., Linnea 5: 607. 1830.
Polypodium cheilostictum Fée, *P. karwinskyanum* (C. Presl) A. Braun *ex* Kunze, *Marginaria karwinskyana* C. Presl
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Sonsonate**: R. Seiler 608 (F, MHES). **Santa Ana**: R. Seiler 16 (MHES). **San Salvador**: R. Seiler 206 (MHES). **Morazán**: R. Seiler 1019 (F, MHES).

Polypodium plesiosorum Kunze var. ***plesiosorum***, Linnea 18: 313. 1844.
Polypodium gonatodes Kunze, *P. confluens* Liebm., *P. anisomeron* (Fée) E. Fourn. var. *elongatum* E. Fourn., *P. anisomeron* (Fée) E. Fourn. var. *geminum* E. Fourn., *P. anisomeron* (Fée) E. Fourn. var. *pectinatum* E. Fourn., *P. anisomeron* (Fée) E. Fourn. var. *abortivum* E. Fourn., *P. feei* E. Fourn., *P. van-heurckii* E. Fourn., *P. pachyrhizon* Christ, *P. rossii* Christ *ex* H. Ross, *Goniophlebium molestum* Fée, *G. anisomeron* Fée, *G. calaguala* Fée, *G. stramineum* Underw. *ex* Conzatti
Local name: calaguala.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.*3428 (B, BM, ITIC, LAGU, MO). **Sonsonate**: A. Molina *et al.* 21758 (F, ITIC); R. Seiler 594 (F, MHES). **Santa Ana**: G. Davidse *et al.* 37240, 37307 (B, BM, ITIC, LAGU, MO); J. Monterrosa *et al.* 932 (B, LAGU, NY); L. Lara 223 (MHES); R. Seiler 167 (F, ITIC, MHES); 344 (F, MHES). **Chalatenango**: R. Seiler 388 (JBL00197) (F, LAGU, MHES); R. Seiler 757 (F, MHES).

Polypodium plesiosorum Kunze var. ***plesiosori*** Tejero, Anales Inst. Biol. Univ. Nac. Autón. Mexico, Bot. 75(1): 24-28 (F). 1, 2a, 3g-h. 2004.
Local name: calaguala.

Global distribution: Mexico, Guatemala, Nicaragua.
Salvadoran distribution: **Santa Ana**: Linares s.n. (JBL01320) (B, LAGU, MO).
Note: var. rubicundum is found in Mexico, Honduras, Costa Rica and Panama.

Polypodium pleurosorum Kunze *ex* Mett., Abh. Senckenberg. Naturf. Ges. 2: 101, t. 2 (F). 6, 7. 1856.
Phlebodium inaequale T. Moore, *Goniophlebium inaequale* (T. Moore) J. Sm., *Polypodium inaequale* (T. Moore) Lowe, *P. lowei* C. Chr., *P. guatemalense* Hook.
Local name: helecho calaguala.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica.
Salvadoran distribution: **Ahuachapán**: D. Witsberger 65b (MHES); E.A. Montalvo 3506 (ITIC); M. Sandoval & E. Sandoval 16 (LAGU); T. Croat 42145 (ITIC). **Sonsonate**: M.B. Siu s.n. (ITIC); T. Croat 42207 (ITIC). **Santa Ana**: D. Rodríguez *et al.* 5 (B, LAGU, NY); J. Monterrosa & R. Carballo 224, 285 (B, LAGU); J. Monterrosa *et al.* 965 (B, NY, LAGU); M.B. Siu s.n. (ITIC); N. López *et al.* s.n. (JBL04626) (LAGU); R. Seiler 191, 280 (MHES); R. Villacorta & M. Calderón 375 (LAGU, MO). **San Salvador**: R. Seiler 27 (F, MHES); 512 (MHES). **Chalatenango**: J. Tucker 1031, 1252 (F); R. Seiler 407 (JBL00195) (F, LAGU, MHES); 732 (MHES).

Polypodium polypodioides (L.) Watt. var. ***polypodioides***, Canad. Naturalist & Quart. J. Sci., ser. 2, 3: 158. 1867.
Acrostichum polypodioides L., *Polypodium incanum* Sw., *Goniophlebium incanum* (Sw.) J. Sm., *Marginaria polypodioides* (L.) Tidestr., *Pleopeltis polypodioides* (L.) E. G. Andrews & Windham
Local name: helecho peinetero amarillo.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Uruguay, Argentina.
Salvadoran distribution: **Ahuachapán**: F. Chinchilla s.n. (ISB00568) (AAU, B, F, LAGU); J.M. Rosales 2537 (B, BM, LAGU, MO); 2673 (B, LAGU, MO). **La Paz**: R. Villacorta & S. Villacorta 1173 (B, LAGU, MO). **Usulután**: A. del Cid 1782 (ITIC); D. Williams 50 (B, LAGU, MO); R. Seiler 588 (MHES). **Morazán**: J. Monterrosa & C. Rivera 705 (B, BM, LAGU).

Polypodium polypodioides (L.) Watt. var. ***aciculare*** Weath., Contr. Gray Herb. 124: 33. 1939.
Pleopeltis polypodioides (L.) Watt var. *acicularis* (Weath.) E. G. Andrews & Windham
Local name: helecho peinetero rojo.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Ahuachapán**: E. Sandoval *et al.* 540, 1291 (B, LAGU); M. Sandoval & E. Sandoval 94 (LAGU); R. Seiler 828 (ITIC, MHES); 912 (F, ITIC, MHES); R. Villacorta *et al.* 880 (B, LAGU, MO). **Sonsonate**: R. Seiler 78 (MHES). **Santa Ana**: B. Pfeiffer-Berendsohn & W. Berendsohn 11 (LAGU, MO); J. Monterrosa *et al.* 225 (B, BM, LAGU, MO); R. Seiler 169 (ITIC, MHES). **La Libertad**: R. Seiler 47 (MHES). **San Salvador**: R. Seiler 215 (MHES). **Usulután**: D. Williams 243, 436 (LAGU); E.A. Montalvo 5044 (ITIC); J. Lagos 36 (ITIC); R.A. Carballo *et al.* 820 (LAGU). **San Miguel**: A. Salgado 65a (MHES). **La Unión**: R. Seiler 216 (MHES).

Polypodium puberulum Schltdl. & Cham., Linnea 5: 607. 1830.
Polypodium ehrenbergianum Klotzsch, *P. olivaceum* Liebm. var. *elatum* Liebm., *P. pubescens* Fée, *P. fournieri* C. Chr., *P. galeottii* Mett. *ex* Kuhn, *P. glaberulum* Mickel & Beitel
Global distribution: Mexico.
Salvadoran distribution: **Chalatenango**: R. Seiler 752 (F, MHES).

▸ ***Polypodium rhodopleuron*** Kunze, Linnea 18: 315. 1844.
Polypodium isomeron E. Fourn., *P. lesourdianum* E. Fourn.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Source: Moran in Davidse *et al.* (1995): 360; Mickel & Smith (2004): 506.

Polypodium sanctae-rosae (Maxon) C. Chr., Index Filic., Suppl. I: 62. 1913.
Goniophlebium sanctae-rosae Maxon
Global distribution: Mexico, Guatemala, Honduras, Nicaragua.
Salvadoran distribution: **Santa Ana**: B. Pfeiffer-Berendsohn & W. Berendsohn 9 (F, LAGU); 12 (F, LAGU, MO); R.A. Carballo *et al.* 115 (B, LAGU, MO); R. Seiler 166 (F, MHES). **San Salvador**: R. Seiler 32 (F, MHES); 55 (MHES); S. Winkler 27 (ITIC). **Chalatenango**: R. Seiler 257 (F, MHES). **San Vicente**: E.A. Montalvo 4610, 5087 (ITIC). **Morazán**: R. Seiler 1067 (F, MHES).

Polypodium subpetiolatum Hook. *in* Bentham, Pl. Hartw. 54. 1840.
Polypodium biserratum M. Martens & Galeotti, *P. schaffneri* Fée, *P. guilleminianum* E. Fourn., *P. hahnii* E. Fourn., *P. firmulum* Maxon, *P. maxonii* C. Chr., *P. adelphum* Maxon, *P. teresae* Maxon
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **San Vicente**: R. Seiler 328 (F, MHES).

♦***Polypodium thyssanolepis*** A. Braun *ex* Klotzsch, Linnaea 20: 392. 1847.
Goniophlebium thyssanolepis (A. Braun *ex* Klotzsch) T. Moore, *G. rhagadiolepis* (Fée) Fée, *Marginaria thyssanolepis* (A. Braun *ex* Klotzsch) Farw., *Polypodium incanum* Sw. var. *fimbriatum* M. Martens & Galeotti, *P. rhagadiolepis* Fée, *P. purpusii* Christ
Global distribution: USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Chalatenango**: J.Monterrosa *et al.* 1612 (BM, LAGU, IZTA, MHES).

▸ ***Polypodium ursipes*** Moritz *ex* C. Chr., Index. Filic. 572. 1906.
Polypodium ambiguum Mett. *ex* Kuhn
Global distribution: Costa Rica, Panama.
Source: Moran in Davidse *et al.* (1995): 354.

Serpocaulon falcaria (Kunze) A.R. Sm., Taxon 55(4): 928. 2006.
Goniophlebium calaguala Fée, *G. invertens* Fée, *Polypodium falcaria* Kunze.
Global distribution: Mexico, Guatemala, Honduras.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 16774 (F; B). Pfeiffer-Berendsohn 23, 37 (LAGU, MO); J. Monterrosa & R. Carballo 852 (B, LAGU, MO); M.C. Carlson 728 (F); R. Seiler 123, 176 (F, MHES); 651 (MHES); V.M. Martínez s.n.

(CMC01094) (B, BM, EAP, LAGU, MO). **San Salvador**: R. Seiler 339 (MHES). **Morazán**: R. Seiler 1055 (F, MHES).
Note: The name *Polypodium loriceum* has been applied by Löetschert (1954), Stolze (1981), Seiler (1982) and Moran in Davidse *et al.* (1995) to this species. See discution as *P. falcaria* in Mickel & Smith (2004).

Serpocaulon triseriale (Sw.) A.R. Sm., Taxon 55(4): 929. 2006.
Goniophlebium haenkei C. Presl, *Polypodium haenkei* (C. Presl) Liebm., *P. triseriale* Sw.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Local names: helecho calaguala, helecho yema de huevo.
Salvadoran distribution: **Ahuachapán**: F. Chinchilla & M.J. López s.n. (ISB00635) (AAU, B, F, LAGU); M. Sandoval & E. Sandoval s.n. (ISB00929) (B, F, LAGU, MO). **San Salvador**: E.A. Montalvo 20 (ITIC). **Chalatenango**: D. Sloot *et al.* 41 (MAG00470) (LAGU, U). **Morazán**: J. Monterrosa & C. Rivera 695 (B, LAGU, MO).

Terpsichore anfractuosa (Kunze *ex* Klotzsch) B. León & A. R. Sm., Amer. Fern J. 93: 86. 2003.
Polypodium anfractuosum Kunze *ex* Klotzsch, *P. saxicola* Baker, *P. induens* Maxon, *Ctenopteris anfractuosa* (Kunze *ex* Klotzsch) Copel., *Grammitis anfractuosa* (Kunze *ex* Klotzsch) Proctor, *Melpomene anfractuosa* (Kunze *ex* Klotzsch) A. R. Sm. & R. C. Moran
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Guadalupe, Colombia, Venezuela, Guayana, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Sonsonate**: R. Seiler 604 (MHES). **Santa Ana**: B. Pfeiffer-Berendsohn *et al.* 25 (B, LAGU); R. Seiler 648 (MHES). **Chalatenango**: E.A. Montalvo s.n. (ITIC). **Morazán**: R. Seiler 987 (ITIC, MHES); S. Winkler 80 (ITIC).

▸ ***Terpsichore asplenifolia*** (L.) A. R. Sm., Novon 3: 485. 1993.
Polypodium asplenifolium L., *P. laxifrons* Liebm., *Ctenopteris asplenifolia* (L.) Copel., *Grammitis asplenifolia* (L.) Proctor
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador.
Source: Seiler (1982): 385 (as *Grammitis asplenifolia*); Berendsohn (1989) 1: 16 (as *Grammitis asplenifolia*); Moran & Smith in Davidse *et al.* (1995): 387. Mickel & Smith 2004: 617.

Terpsichore cultrata (Willd.) A. R. Sm., Novon 3: 486. 1993.
Polypodium cultratum Willd., *Ctenopteris cultrata* (Willd.) Copel., *Grammitis cultrata* (Willd.) Proctor
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: R. Seiler 1130 (UC) (Moran & Smith in Davidse *et al.* 1995: 388). **Santa Ana**: A. Molina *et al.* 16903 (F); R. Seiler 105 (F, MHES). **San Salvador**: S. Winkler 24 (ITIC).

♦ ***Terpsichore delicatula*** (M. Martens & Galeotti) A. R. Sm., Novon 3: 486. 1993.
Polypodium delicatulum M. Martens & Galeotti, *Ctenopteris delicatula* (M. Martens & Galeotti) J. Sm., *Grammitis delicatula* (M. Martens & Galeotti) Proctor
Global distribution: Mexico, Guatemala, Honduras, Jamaica.
Salvadoran distribution: **Chalatenango**: J.Monterrosa *et al.* 1624 (BM, LAGU, UC).

Terpsichore lehmanniana (Hieron.) A.R. Sm., Novon 3: 487. 1993.
Polypodium lehmannianum Hieron., *P. sublongipes* Christ, *Ctenopteris lehmanniana* (Hieron.) Copel., *Grammitis lehmanniana* (Hieron.) C. V. Morton
Global distribution: Belize, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Ecuador.
Salvadoran distribution: **Santa Ana**: J. Monterrosa & R. Carballo 858 (B, LAGU); R. Seiler 171 (F, ITIC, MHES). **Morazán**: R. Seiler 1062 (F, MHES).

Terpsichore semihirsuta (Klotzsch) A. R. Sm., Novon 3: 488. 1993.
Polypodium semihirsutum Klotzsch, *P. semihirsutum* Klotzsch var. *fuscosetosum* Hieron., *Ctenopteris semihirsuta* (Klotzsch) Copel., *Grammitis semihirsuta* (Klotzsch) C. V. Morton, *G. semihirsuta* (Klotzsch) C. V. Morton var. *fuscosetosa* (Hieron.) Lellinger
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: B. Pfeiffer-Berendsohn 34 (LAGU, MO); R. Seiler 94, 101, 652 (MHES). **Chalatenango**: R. Seiler 751 (MHES).

▸ ***Terpsichore taxifolia*** (L.) A. R. Sm., Novon 3: 488. 1981.
Polypodium taxifolium L., *P. lherminieri* Fée var. *costaricense* Rosenst., *Ctenopteris taxifolia* (L.) Copel., *Grammitis taxifolia* (L.) Proctor
Global distribution: Costa Rica, Panama, Antilles, Colombia, Venezuela, Suriname, Ecuador, Peru, Brazil, Bolivia.
Source: Seiler (1982): 386 (as *Grammitis taxifolia*); Berendsohn (1989) 1: 16 (as *Grammitis taxifolia*); Moran & Smith in Davidse *et al.* (1995): 392.

PSILOTACEAE

Psilotum complanatum Sw., J. Bot. (Schrader) 1800(2): 110. 1801.
Local name: helecho palma de esquipulas.
Global distribution: Mexico, Guatemala, Honduras, Antilles, Colombia, Venezuela, Peru, Malasia, Oceanía.
Salvadoran distribution: **Ahuachapán**: E. Sandoval s.n. (MS-00325) (B, LAGU, MO); E. Sandoval & F. Chinchilla 54 (B, LAGU); M. Sandoval & E. Sandoval 247 (B, LAGU, MO). **San Vicente**: Löetschert 252 (EAP) (Palacios-Río in Davidse *et al.* 1995).

♦ ***Psilotum nudum*** (L.) P. Beauv., Prodr. Aethéogam. 106, 112. 1805.
Lycopodium nudum L., *Psilotum triquetrum* Sw.
Global distribution: USA, Mexico, Guatemala, Belice, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guyana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina, Old World tropics, Australia, New

Zealand.
Salvadoran distribution: **La Unión**: R. Ibarra, R. Juárez, F. Franco, I. Vega & O. Jiménez s.n. (JBL05114) (BM, LAGU, MHES); J. Monterrosa & R. Ibarra 1608 (BM, LAGU, MHES, MO).

PTERIDACEAE

Acrostichum aureum L., Sp. Pl. 2: 1069. 1753.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Brazil, Paraguay, Trópicos del Viejo Mundo.
Salvadoran distribution: **Ahuachapán**: R. Seiler 137 (MHES); R. Villacorta & E.A. Montalvo 826 (B, LAGU, MEXU). **La Unión**: K. Sidwell *et al.* 674 (B, BM, ITIC, LAGU, MO).

Acrostichum danaeifolium Langsd. & Fisch., Pl. Voy. Russes Monde I: 5, t. I. 1810.
Chrysodium lomarioides Jenman, *C. lomarioides* Jenman var. *hastatum* Christ, *Acrostichum lomarioides* (Jenman) Jenman., *A. excelsum* Maxon
Local names: helecho de manglar, helecho de pantano.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Salvadoran distribution: **Ahuachapán**: J.M. Rosales 2191 (B, LAGU). **La Libertad**: M. Magaña 48 (MP-00008) (LAGU). **San Miguel**: J. Tucker 908 (F); R. Villacorta 2889 (B, BM, LAGU).

Adiantum amplum C. Presl, Reliq. Haenk. I(I): 63. 1825.
Adiantum princeps T. Moore
Local names: helecho de arriero, centavito.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1925, 3642, 3700 (B, BM, ITIC, LAGU, MO); A. Sermeño 106 (JBL01020) (B, LAGU, MEXU, MO); J.M. Rosales 5 (AAU, B, BM, LAGU, MEXU, MO); 2415 (B, BM, LAGU, MEXU, MO); M. Sandoval & E. Sandoval 304 (B, F, LAGU); R. Seiler 938 (F); T. Croat 42060, 42061, 42095, 42102 (ITIC); W. Berendsohn 1311 (LAGU, MO); 1390, 1391 (B, LAGU, MO). **Santa Ana**: L. Lara 221 (MHES). **La Libertad**: A.K. Monro *et al.* 3770 (B, BM, ITIC, LAGU, MO); B. Pfeiffer-Berendsohn 68 (B, LAGU, MO); E.A. Montalvo s.n. (ITIC); J. Monterrosa *et al.* s.n. (JBL04488) (LAGU); K. Sidwell *et al.* 465 (B, BM, ITIC, LAGU, MO); N. Ventura 5012, 5015 (ITIC). **San Salvador**: K. Sidwell *et al.* 582 (B, BM, ITIC, LAGU, MO); R. Seiler s.n. (12-326) (MHES); 72 (F, MHES); 711 (F). **Cuscatlán**: S. Dar s.n. (JBL03659) (B, BM, LAGU, MO). **Morazán**: J. Monterrosa & C. Rivera 675 (BM, LAGU). **La Unión**: A.K. Monro *et al.* 2753 (B, BM, ITIC, LAGU, MO).

Adiantum andicola Liebm., Mexic. Bregn. 266 (reprint 114). 1849.
Adiantum cuneatum Langsd. & Fisch. var. *angustifolium* M. Martens & Galeotti, *A. tenerum* Sw. var. *dissectum* M. Martens & Galeotti, *A. amabile* Liebm., *A.*

glaucophyllum Hook. Local name: helecho centavito.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 2003 (B, BM, ITIC, LAGU, MO). **Sonsonate**: T. Croat 42212 (ITIC). **Santa Ana**: A. Molina *et al.* 16881 (F); D. Rodríguez & G. Cerén s.n. (JBL04597) (B, LAGU); G. Davidse *et al.* 37231 (B, BM, ITIC, LAGU, MO); J. Monterrosa *et al.* 917 (LAGU, NY); 1024 (LAGU); L. Lara 226 (MHES); R. Seiler 135, 277, 463 (F, MHES). **La Libertad**: M. Renderos *et al.* 413 (LAGU, MO). **San Salvador**: E.A. Montalvo 3155 (ITIC); M.C. Carlson 383, 472 (F); R. Seiler 211, 517 (F, MHES); S. Winkler 18 (ITIC). **Chalatenango**: R. Seiler 404 (JBL00080) (F, LAGU, MHES); 730 (F, MHES); W. Berendsohn & H. Sipman 1585 (B, LAGU). **San Vicente**: R. Seiler 320, 329 (F, MHES). **Usulután**: D. Williams 136 (B, LAGU, MO). **Morazán**: J. Tucker 607 (F).

Adiantum braunii Mett. *ex* Kuhn, Linnea 36: 75. 1869.
Adiantum braunii Mett. *ex* Kuhn var. *cuneatum* Mett. *ex* Kuhn, *A. convolutum* E. Fourn.
Local names: helecho nido de arriero, helecho nido de pijuyo.
Global distribution: Mexico, Guatemala, Nicaragua, Costa Rica, Colombia, Venezuela, Ecuador.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & M. Sandoval 1401 (B, LAGU). **Santa Ana**: W. Berendsohn *et al.* 1536 (B, LAGU, MO). **La Libertad**: A.K. Monro *et al.* 3083 (B, BM, ITIC, LAGU, MO); J.C. González & M.A. Hernández 364 (B, LAGU, MO). **San Salvador**: R. Seiler 1502 (F). **Chalatenango**: R. Seiler 550 (MHES).

Adiantum concinnum Humb. & Bonpl. *ex* Willd., Sp. Pl., ed. 4, 5(1): 451. 1810.
Adiantum lutescens Moungeot *ex* Fée
Local names: helecho cola de arriero, helecho nido de arriero, helecho palmita.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1915 (B, BM, ITIC, LAGU, MO); E. Sandoval & F. Chinchilla 704 (B, LAGU); E. Sandoval & M. Sandoval 1402 (LAGU); 1521 (B, LAGU); F. Chinchilla s.n. (ISB00534), s.n. (ISB00736), s.n. (ISB00768) (AAU, B, F, LAGU); M. Magaña 7 (MP-00002) (LAGU); M. Sandoval & E. Sandoval 101 (B, F, LAGU); R. Villacorta *et al.* 942 (B, LAGU, MO); T. Croat 42115 (ITIC). **Sonsonate**: D. Rodríguez & M. Trejo 83 (LAGU). **Santa Ana**: L. Lara 222 (MHES); M.L. Reyna de Aguilar & R. Villacorta 1438 (B, LAGU, MO). **La Libertad**: A.K. Monro *et al.* 2335, 3084 (B, BM, ITIC, LAGU, MO); J. Reyes *et al.* (JBL04510) (LAGU); J. Williams s.n. (ITIC); K. Sidwell *et al.* 483, 698 (B, BM, ITIC, LAGU, MO); M.B. Siu s.n. (ITIC); N. Ventura 5007, 5011, 5025 (ITIC); R. Amador *et al.* s.n. (JBL04461) (LAGU); R. Menjivar & J. Sermeño s.n. (JBL04484) (LAGU); V. Salzman s.n. (JBL02066) (LAGU). **San Salvador**: A.K. Monro *et al.*3437 (B, BM, ITIC, LAGU, MO); J. Williams 94 (ITIC); K. Sidwell *et al.* 577 (B, BM, ITIC, LAGU, MO); M.C. Carlson 2 (F); R. Seiler 511 (F, MHES); Tobar s.n. (12-10) (MHES); W. Heed 25 (ITIC). **Chalatenango**: L. Lara 207, 214, 217 (MHES); M.B. Siu s.n. (ITIC); R. Seiler 141 (MHES). **Usulután**: A.K. Monro *et al.* 3000 (B, BM, ITIC, LAGU, MO). **San Miguel**: J. Tucker 976 (F). **Cabañas**: A.K. Monro *et al.* 2775 (B, BM, ITIC, LAGU, MO); G. Davidse *et al.* 37111 (B, BM, ITIC, LAGU, MO); R. Seiler 527 (F, MHES). **Morazán**: J. Tucker 640 (F).

▸ ***Adiantum deflectens*** Mart., Icon. Pl. Crypt. 94. 1834.
Adiantum deflectens Mart. var. *tremulum* Hieron., *A. delicatulum* Mart., *A. dissimile* Schrad., *A. dolabriforme* Hook., *A. filiforme* Gardner, *A. flagellum* Fée, *A. lunatum* Keyserl., *A. subaristatum* Fée
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Source: Stolze (1981): 22; Berendsohn (1989) 1: 19; Moran in Davidse *et al.* (1995): 111; Mickel & Smith (2004): 29.

Adiantum latifolium Lam., Encycl. I: 43. 1783.
Adiantum lucidum Sw. var. *bipinnatum* Mett. *ex* E. Fourn.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Africa, Asia.
Local names: helecho rosquilla
Salvadoran distribution: **Ahuachapán**: J.M. Rosales 1916 (AAU, B, BM, LAGU, MO). **Usulután**: J. Lagos 1084 (ITIC); R. Seiler 591 (F, MHES).

Adiantum lunulatum Burm. f., Fl. Indica 235. 1768.
Local names: helecho cola de arriero, helecho pie de zanate, helecho salamanquera.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Africa, Asia.
Salvadoran distribution: **Ahuachapán**: E. Sandoval *et al.* 609 (B, LAGU); 1398 (B, K, LAGU); F. Chinchilla s.n. (ISB00605), s.n. (ISB00769) (AAU, B, F, LAGU); J.M. Rosales 1133, 1134, 1167, 1316, AAU (B, BM, LAGU). **Sonsonate**: D. Rodríguez & M. Trejo 64, B (LAGU, NY). **Santa Ana**: J.L. Linares 535 (JBL01985) (LAGU); K. Prestegard 43 (MP-00003) (LAGU); R. Seiler 709 (MHES); W. Berendsohn *et al.* 1539 (B, LAGU). **La Libertad**: A.K. Monro *et al.* 3404 (B, BM, ITIC, LAGU, MO); N. Ventura 5006 (ITIC). **San Salvador**: R. Seiler 376, 446 (F, MHES). **La Paz**: E.A. Montalvo 6205 (B, BG, F, HBG, ITIC, LAGU, MO). **San Miguel**: R. Seiler 544 (F, MHES). **Cabañas**: R. Seiler 524 (F, MHES). **Morazán**: J. Tucker 452 (F).

Adiantum macrophyllum Sw., Prod. 135. 1788.
Local name: helecho palma de esquipulas, helecho palma de roca.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Ahuachapán**: E. Sandoval *et al.* 106 (LAGU); s.n. (JBL01386), 1293 (B, LAGU); F. Chinchilla s.n. (ISB00660) (AAU, B, F, LAGU); M. Sandoval *et al.* s.n. (ISB00842) (AAU, B, F, LAGU); 273 (B, F, LAGU); P. Standley *et al.* 2673 (F); R. Seiler 932 (MHES). **La Libertad**: D. Matamoro s.n. (JBL01317) (LAGU); M.C. Carlson 143 (F); R. Seiler 717 (MHES). **San Salvador**: E.A. Montalvo 15a (ITIC); R. Seiler 449, 508, 530 (F, MHES).

Adiantum patens Willd., Sp. Pl., ed. 4, 5(1): 439. 1820.
Adiantum lobatum C. Presl
Local names: helecho nido de arriero, helecho pata de paloma, petatillo rojo.
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Colombia, Venezuela, Ecuador, Peru, Bolivia, Africa.

Salvadoran distribution: **Ahuachapán**: E. Sandoval *et al.* 589, 1362 (B, LAGU). **Santa Ana**: R. Seiler 133 (MHES); 761 (F, MHES); T. Croat 42288 (ITIC). **La Libertad**: J. Monterrosa *et al.* s.n. (JBL04500) (LAGU); N. Ventura 5018 (ITIC). **San Salvador**: R. Seiler 448, 636 (F, MHES). **Chalatenango**: D. Sloot & A. Reina 135 (MAG00564) (B, LAGU, U). **Morazán**: J. Tucker 641 (F); S. Winkler 19 (ITIC).

Adiantum petiolatum Desv., Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesammten Naturk 5: 326. 1811.
Adiantum lucidum (Cav.) Sw. var. *pinnatum* E. Fourn.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Chalatenango**: R. Seiler 138 (F, ITIC, MHES). **San Vicente**: R. Seiler 973 (F, ITIC, MHES).

Adiantum poiretii Wikstr., Kongl. Vetensk. Akad. Handl. 1825: 443. 1826.
Adiantum thalictroides Willd. *ex* Schltdl., *A. pellucidum* M. Martens & Galeotti, *A. gratum* Fée
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia, Chile, Argentina, Viejo Mundo.
Salvadoran distribution: **Santa Ana**: R. Villacorta & L. Lara 2517 (B, LAGU). **Chalatenango**: W. Berendsohn & H. Sipman 1586 (B, LAGU).

Adiantum pulverulentum L., Sp. Pl. 2: 1096. 1753.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1973 (B, BM, ITIC, LAGU, MO); D. Witsberger 702 (MHES); R. Seiler 818 (F, ITIC, MHES). **Sonsonate**: D. Rodríguez & M. Trejo 205 (LAGU, NY).

Adiantum raddianum C. Presl, Suppl. Tent. Pterid. 158. 1836.
Adiantum cuneatum Langsd. & Fisch., *A. mexicanum* C. Presl, *A. weckleanum* Christ
Local name: helecho colchón de guardabarranco.
Global distribution: Mexico, Guatemala, Nicaragua, Costa Rica, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina, Uruguay.
Salvadoran distribution: **Ahuachapán**: M. Magaña 14 (MP-00001) (LAGU); W. Berendsohn *et al.* 1392 (B, LAGU). **Usulután**: A.K. Monro *et al.* 3024 (B, BM, ITIC, LAGU, MO).
Note: A.K. Monro & D. Alexander 3084 is cited erroneously as *A. raddianum* in Monro *et al.* 2002, it is *A. concinnum* Humb. & Bonpl. *ex* Willd.

▸ ***Adiantum tenerum*** Sw., Prodr. 135. 1788.
Adiantum trapezoides Fée
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Antilles, Venezuela, Trinidad and Tobago.
Source: Maxon & Standley (1930): 172 (as *Adiantum trapezoides*). Calderón &

Standley (1941): 29 (as *Adiantum trapezoides*). Seiler (1982): 384. Berendsohn (1989) 1: 20. Moran *et al.* in Davidse *et al.* (1995): 110.

Adiantum tetraphyllum Humb. & Bonpl. *ex* Willd., Sp. Pl., ed. 4, 5(1): 441. 1810.
Adiantum fruticosum Poepp. *ex* Spreng., *A. tetraphyllum* Humb. & Bonpl. *ex* Willd. var. *costaricense* Christ
Local names: helecho ciempiés, helecho rosquilla pacha.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Bolivia, Paraguay.
Salvadoran distribution: **Ahuachapán**: E. Sandoval *et al.* 1119, 1207 (B, LAGU, MO); F. Chinchilla s.n. (ISB00315) (LAGU); s.n. (ISB00661) (AAU, B, F, LAGU); M. Sandoval *et al.* s.n. (ISB00815), AAU, B, F, AAU; 298 (B, F, LAGU); R. Morales *et al.* s.n. (JBL01274) (B, LAGU, MO); R. Seiler 924 (F, ITIC, MHES); R. Villacorta 623 (B, LAGU, MO); W. Berendsohn *et al.* 1355, 1369, 1398 (B, LAGU, MO); 1428 (B, LAGU). **Santa Ana**: R. Villacorta & J. María 2203 (B, LAGU, MO). **San Salvador**: R. Seiler 531 (F, MHES). **Chalatenango**: R. Seiler 265 (F, MHES). **Cabañas**: A.K. Monro *et al.* 3747 (B, BM, ITIC, LAGU, MO); J. Monterrosa & R. Carballo 230 (AAU, B, BM, LAGU, MO). **Morazán**: J. Monterrosa & C. Rivera 673 (B, BM, LAGU, MO).

Adiantum trapeziforme L., Sp. Pl. 2: 1097. 1753.
Adiantum trapeziforme L. var. *oblongatum* T. Moore, *A. trapeziforme* L. var. *plumieri* T. Moore
Local names: cabello de ángel, helecho nido de arriero, lantrillo.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Antilles, Trinidad and Tobago, Bolivia, Paraguay; naturalised in Asia and the Pacific Islands.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 177, 266 (LAGU); F. Chinchilla & R.E. Sandoval s.n. (ISB00589) (AAU, B, F, LAGU); M. Sandoval & E. Sandoval s.n. (ISB00838) (AAU, B, LAGU); P. Standley *et al.* 3024 (F); R. Seiler 937 (F, MHES); T. Croat 42103 (ITIC); W. Berendsohn *et al.* 1434 (B, LAGU, MO). **Santa Ana**: A.K. Monro & R. Douglas 3464 (B, BM, ITIC, LAGU, MO). **La Libertad**: O. Pank s.n. (MP-00004) (LAGU). **San Salvador**: K. Sidwell *et al.* 580 (B, BM, ITIC, LAGU, MO); M.C. Carlson 20, 327 (F); R. Seiler 67 (F, ITIC, MHES); 785 (F, MHES). **Chalatenango**: R. Seiler 139 (F, MHES). **Usulután**: E.A. Montalvo 5101 (ITIC); S. Winkler 16 (ITIC). **Cuscatlán**: S. Dar s.n. (JBL03658) (LAGU, MO). **La Unión**: A.K. Monro *et al.* 3536 (B, BM, ITIC, LAGU, MO).

Adiantum trichochlaenum Mickel & Beitel, Mem. New York Bot. Gard. 46: 29-30. 1988.
Global distribution: Mexico, Guatemala, Nicaragua, Costa Rica.
Salvadoran distribution: **San Salvador**: R. Seiler 455 (F, MHES).

Adiantum villosum L., Syst. Nat., ed. 10, 2: 1328. 1759.
Local names: helecho ciempiés, helecho rosquilla pacha.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 486 (B, LAGU);

J.M. Rosales 1419 (LAGU); M. Sandoval *et al.* 29 (B, LAGU); T. Croat 42087 (ITIC); W. Berendsohn & R. Villacorta 1350 (LAGU, MO). **Santa Ana**: M.L. Reyna de Aguilar 663 (MHES). **La Libertad**: R. Seiler 716 (F, MHES). **Chalatenango**: R. Seiler 140 (F, MHES). **San Vicente**: M.C. Carlson 645 (F). **Usulután**: R. Seiler 592 (F, MHES). **San Miguel**: A. Salgado 71 (MHES); J. Tucker 848 (F). **Cabañas**: R. Seiler 225 (JBL04805) (F, LAGU, MHES).

Ananthacorus angustifolius (Sw.) Underw. & Maxon *in* Maxon, Contr. U.S. Natl. Herb. 10: 487. 1908.

Pteris angustifolia Sw., *Taenitis angustifolia* (Sw.) Spreng., *Vittaria angustifolia* (Sw.) Baker *in* Martius, *Vittaria costata* Kunze

Local name: helecho barbiquejo.

Global distribution: Mexico, Guatemala, Belize, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.

Salvadoran distribution: **Ahuachapán**: E. Sandoval *et al.* 439, 1303 (B, LAGU); J.M. Rosales 1466 (B, BM, LAGU, MO); 1513 (B, LAGU, MO); M.L. Reyna de Aguilar 652 (MHES); M. Sandoval & E. Sandoval s.n. (ISB00930) (LAGU). **San Salvador**: R. Seiler 459, 788 (F, MHES).

Anogramma chaerophylla (Desv.) Link, Fil. Spec. 138. 1841.

Gymnogramma chaerophylla Desv.

Global distribution: Mexico, Antilles, Brazil, Paraguay, Argentina, Uruguay.

Salvadoran distribution: **San Salvador**: H. Weber 24 (ITIC); R. Seiler 20 (MHES).

Anogramma leptophylla (L.) Link, Fil. Spec. 137. 1841.

Polypodium leptophyllum L., *Gymnogramma leptophylla* (L.) Desv. var. *mexicana* Kunze, *Pityrogramma guatemalensis* Domin, *Anogramma guatemalensis* (Domin) C. Chr.

Global distribution: Mexico, Guatemala, Nicaragua, Costa Rica, Panama, Venezuela, Ecuador, Peru, Brazil, Eurasia, Africa.

Salvadoran distribution: **Sonsonate**: R. Seiler 610, 616, 629 (F, MHES). **Santa Ana**: E.A. Montalvo 4895 (ITIC); J. Williams 31 (ITIC); R. Seiler 110 (F, ITIC, MHES); 658 (F, MHES). **San Salvador**: Castañeda s.n. (12-897) (MHES). **Usulután**: D. Williams & R.W. Herrera 424 (LAGU).

Bommeria pedata (Sw.) E. Fourn., Bull. Soc. Bot. France 27: 327. 1880.

Hemionitis pedata Sw., *Gymnogramma pedata* (Sw.) Kaulf., *Gymnopteris pedata* (Sw.) C. Chr.

Local name: helecho mano de mapache.

Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica.

Salvadoran distribution: **Ahuachapán**: M. Sandoval & E. Sandoval 40 (B, F, LAGU). **Santa Ana**: R. Seiler 498 (F, MHES). **San Salvador**: R. Seiler 46 (F, MHES); 640 (MHES); O. Pank s.n. (12-987) (MHES).

Ceratopteris pteridoides (Hook.) Hieron., Bot. Jahrb. Syst. 34: 561. 1905.

Parkeria pteridoides Hook.

Local name: helecho acuático.

Global distribution: USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica.

Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina.
Salvadoran distribution: **Ahuachapán**: J.M. Rosales 2674 (B, LAGU, MO). **La Paz**: N.C. Fassett 28557 (EAP, F); 29180 (F). **San Miguel**: N.C. Fassett 29391 (F).

Ceratopteris thalictroides (L.) Brongn., Bull. Sci. Soc. Philom. Paris, sér. 3, 8: 186. 1821.
Acrostichum thalictroides L.
Local name: helecho de agua.
Global distribution: USA, Mexico, Guatemala, Nicaragua, Costa Rica, Panama, Venezuela, Suriname, Ecuador, Brazil, Africa, Asia, Australia, Pacific Islands.
Salvadoran distribution: **Ahuachapán**: J.M. Rosales 1921 (B, LAGU, MO); 2070 (LAGU). **San Vicente**: N.C. Fassett 29157 (F); 29162 (EAP, F). **Usulután**: R.A. Carballo & S. Santamaría 899 (B, LAGU, MO).

Cheilanthes angustifolia Kunth, Nov. Gen. Sp. I: 21. 1815.
Allosorus angustifolius (Kunth) C. Presl, *A. angustifolius* (Kunth) C. Presl var. *minor* Liebm., *Onychium angustifolium* (Kunth) Kunze, *Pellaea angustifolia* (Kunth) Baker *in* Hooker & Baker, *Cheilanthes venusta* Fée var. *aurata* Fée
Local name: helecho tuya morada.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 664 (B, LAGU); J.M. Rosales 1230 (B, LAGU, MO); R. Villacorta & Martínez 626 (B, LAGU, MO); W. Berendsohn & R. Villacorta 1384 (B, LAGU, MO). **Sonsonate**: R. Seiler 37 (F, MHES). **Santa Ana**: B. Pfeiffer-Berendsohn & W. Berendsohn 13 (F, LAGU, MO); S. Winkler 28 (ITIC). **La Libertad**: E.A. Montalvo s.n. (ITIC). **San Salvador**: H. Castañeda s.n. (12-899) (MHES); E.A. Montalvo s.n. (ITIC). **Chalatenango**: L. Lara 213, 231 (MHES); R. Seiler 559 (F, MHES); S. Calderón 2476 (F). **San Vicente**: E.A. Montalvo 5095 (ITIC). **Usulután**: D. Williams & R.W. Herrera 301 (LAGU, MO). **Morazán**: J. Monterrosa & C. Rivera 689 (B, BM, LAGU, MO); M. Renderos *et al.* 611 (LAGU, MO).

Cheilanthes aurea Baker *in* Hooker & Baker var. ***aurea***, Syn. Fil. 453. 1868.
Aleuritopteris aurea (Baker) Ching
Global distribution: Mexico, Guatemala.
Salvadoran distribution: **Ahuachapán**: J.M. Rosales 1229 (B, LAGU); W. Berendsohn *et al.* 1644 (BM, LAGU). **San Salvador**: R. Seiler 23, 586 (F, MHES).

Cheilanthes bolborrhiza Mickel & Beitel, Mem. New York Bot. Gard. 46: 107. 1988.
Global distribution: Mexico.
Salvadoran distribution: **San Salvador**: R. Seiler 45, 579 (F, LAGU, MHES, NY).

Cheilanthes brachypus Kunze, Linnea 23: 307. 1850.
Cheilanthes squamosa Hook. & Grev. var. *brachypus* Kunze, *Notholaena brachypus* (Kunze) J. Sm. Local names: helecho de bulto, helecho dorado, helecho pluma de búho.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 3644 (B, BM, ITIC, LAGU, MO); E. Sandoval & F. Chinchilla 468 (B, LAGU, MO); E. Sandoval & M. Sandoval

1404 (B, LAGU); J.M. Rosales 1289, 1587 (AAU, B, BM, LAGU, MO); M. Sandoval *et al.* 61 (B, F, LAGU); R. Seiler 926 (F, MHES); R. Villacorta & Martínez 404 (F, LAGU, MO); T. Croat 42155 (ITIC); W. Berendsohn *et al.* 1408 (B, LAGU, MO). **Sonsonate**: R. Seiler 7 (F, MHES). **Santa Ana**: K. Prestegard 30 (LAGU); T. Croat 42238 (ITIC). **La Libertad**: A.K. Monro *et al.* 2919 (B, BM, ITIC, LAGU, MO); E.A. Montalvo & R. Villacorta 6266 (B, LAGU, MO); J. Flores s.n. (JF-00106) (LAGU); R. Villacorta s.n. (JBL00543) (B, LAGU, MO). **San Salvador**: R. Seiler 444 (F, MHES). **Chalatenango**: L. Lara 212, 216 (MHES); R. Seiler 367, 551 (F, MHES). **San Vicente**: O. Rohweder 2643 (JBL01248), 2644 (JBL01247) (LAGU). **San Miguel**: A. Salgado 63 (MHES); R. Seiler 540 (F, MHES); R. Villacorta 2391 (LAGU, MO). **Morazán**: J. Monterrosa & C. Rivera 709 (B, BM, LAGU, MO). **La Unión**: A.K. Monro *et al.* 3540 (B, BM, ITIC, LAGU, MO).

▸ ***Cheilanthes chaerophylla*** (M. Martens & galeotti) Kunze, Linnea 23: 243, 307. 1850.
Allosorus chaerophyllus M. Martens & Galeotti
Global distribution: Mexico, Guatemala, Honduras, Costa Rica.
Salvadoran distribution: **Chalatenango**: J. Monterrosa *et al.* 1611 (BM, LAGU, NY).

Cheilanthes decurrens Mickel, Mem. New York Bot. Gard. 88: 191-192. 2004.
Global distribution: Mexico, Guatemala.
Salvadoran distribution: **Santa Ana**: R. Seiler 100 (F, MHES). **San Salvador**: R. Seiler 1209 (F, NY).

Cheilanthes kaulfussii Kunze, Linnea 13: 145. 1839.
Cheilanthes viscosa Link, *C. glandulifera* Liebm.
Global distribution: USA, Mexico, Guatemala, Honduras, Costa Rica, Colombia, Venezuela.
Salvadoran distribution: **Sonsonate**: R. Seiler 10 (F, MHES); 1466 (F). **Santa Ana**: R. Seiler 680 (F, MHES). **Usulután**: D. Williams & R.W. Herrera 348 (LAGU). **Morazán**: R. Seiler 1074 (F, MHES).

Cheilanthes marginata Kunth, Nov. Gen. Sp. I: 22. 1815; 7: t. 669. 1825.
Allosorus ciliata C. Presl var. *minor* C. Presl, *C. hirsuta* Link, *C. rufescens* Link, *C. crenulata* Link
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Colombia, Venezuela, Ecuador, Peru, Bolivia, Argentina.
Salvadoran distribution: **Santa Ana**: B. Pfeiffer-Berendsohn 47 (LAGU, MO); 54 (B, LAGU, MO); R. Seiler 298, 473 (F, MHES); 1208 (F); R. Villacorta & J.C. González 1160 (LAGU). **Chalatenango**: R. Seiler 383 (F, MHES); W. Berendsohn & H. Sipman 1582 (B, LAGU). **Morazán**: R. Seiler 986 (F, ITIC, MHES); 1069 (F, MHES); 1071 (F).
Note: Seiler (1982), Berendsohn (1989) and R.C. Moran in Davidse *et al.* 1995 recognise *Cheilanthes hirsuta* as a distinct species.

▸ ***Cheilanthes myriophylla*** Desv., Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesammten Naturk. 5: 328. 1811.
Cheilanthes paleacea M. Martens & Galeotti, *C. intermedia* Baker, *C. fournieri* C. Chr.,

Myriopteris intermedia E. Fourn.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Chile, Argentina.
Salvadoran distribution: R. Seiler 1471 (MO) (Yatskievych & Moran in Davidse *et al.* 1995).

Cheilanthes pyramidalis Fée, Mém. Foug. 7: 38, t. 25 (F). 3. 1857.
Pellaea angustifolia (Kunth) Baker var. *elongata* Rovirosa
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica.
Salvadoran distribution: **Santa Ana**: B. Pfeiffer-Berendsohn & S.A. de Reyna 39 (K, LAGU); M.L. Reyna de Aguilar 766 (MHES); R. Seiler 42 (JBL04800) (F, ITIC, LAGU, MHES); 351 (F, MHES). **San Salvador**: R. Seiler 24 (F, MHES).

Cheilanthes skinneri (Hook.) R. M. Tryon & A. F. Tryon, Rhodora 83: 133. 1981.
Pellaea skinneri Hook., *P. flavescens* E. Fourn., *Doryopteris fournieri* (Baker) C. Chr.
Local names: helecho cola de pavo real, helecho morado.
Global distribution: Mexico, Guatemala, Nicaragua, Costa Rica, Panama, Colombia.
Salvadoran distribution: **Ahuachapán**: E. Sandoval *et al.* 521, 1400 (B, LAGU); J.M. Rosales 934, 951 (LAGU). **Santa Ana**: R. Seiler 1201 (F, ITIC, MHES). **La Libertad**: R. Seiler 1116 (F, ITIC, MHES). **San Miguel**: R. Seiler 538 (JBL04808) (F, LAGU, MHES).

Cheiloplecton rigidum (Sw.) Fée var. *rigidum*, Mém. Foug. 7: 34, t. 20 (F). 3. 1857.
Pteris rigida Sw., *P. cartilaginea* C. Presl, *Pellaea rigida* (Sw.) Hook.
Global distribution: Mexico, Guatemala.
Salvadoran distribution: **Santa Ana**: R. Seiler 1190 (F, MHES).

Doryopteris concolor (Langsd. & Fisch.) Kuhn *in* v.d. Decken, Reisen Ost-Afrika 3(3): 19. 1879.
Pteris concolor Langsd. & Fisch., *Cheilanthes concolor* (Langsd. & Fisch.) R. M. Tryon & A. F. Tryon . Local name: helecho de roca.
Global distribution: Mexico, Guatemala, Honduras, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil Bolivia, Paraguay, Argentina, Uruguay, Africa, Asia, Australia.
Salvadoran distribution: **Sonsonate**: M.L. Reyna de Aguilar 1452 (LAGU, MO). **San Salvador**: R. Seiler 585 (F, MHES). **San Miguel**: R. Seiler 539 (F, MHES); R. Villacorta 2481 (B, LAGU, MO).

Eriosorus flexuosus (Desv.) Copel. var. ***flexuosus***, Gen. Fil. 58. 1947.
Gymnogramma flexuosa Desv., *Grammitis flexuosa* Kunth
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: J. Lagos 13 (ITIC); R. Seiler 177 (JBL04804) (F, LAGU, MHES); R. Villacorta *et al.* 1048 (B, LAGU, MO); W. Berendsohn 1069 (B, BM, LAGU, MO). **Chalatenango**: J. Tucker 1120 (F).

Hemionitis levyi E. Fourn., Bull. Soc. Bot. France 17: 237. 1870.
Hemionitis otonis Maxon
Global distribution: Mexico, Nicaragua, Costa Rica.

Salvadoran distribution: S. Calderón 1710, MO (Ranker in Davidse *et al.* 1995). **Ahuachapán**: J.M. Rosales 1187 (B, LAGU). **San Miguel**: R. Villacorta 2392 (B, LAGU, MO).

▸ ***Hemionitis palmata*** L., Sp. Pl. 2: 1077. 1753.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: P.Standley 19894 (GH) (Ranker in Davidse *et al.* 1995).
Source: Maxon & Standley 1930: 173; Calderón & Standley (1941): 31; Seiler (1982): 383; Berendsohn (1989) 1: 21; Ranker in Davidse *et al.* (1995): 132; Mickel & Smith (2004): 326.

Hemionitis pinnatifida Baker *in* Hooker & Baker, Syn. Fil. 399. 1868.
Local names: helecho ostra.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 469 (B, LAGU). **Sonsonate**: R. Seiler 493 (MHES). **Santa Ana**: O. Rohweder 2641 (JBL01249), 2689 (JBL01251), 2690 (JBL01250) (LAGU). **La Libertad**: W. Berendsohn 1024 (LAGU, MO). **San Salvador**: M. Renderos 387 (B, LAGU, MO); O. Pank s.n. (12-959) (MHES); R. Seiler 442 (F, MHES); 505 (MHES). **Chalatenango**: R. Villacorta 2394 (AAU, B, LAGU, MO). **San Miguel**: R. Seiler 59 (F, MHES). **Morazán**: J. Monterrosa & R. Carballo 535 (B, LAGU, MO).

Mildella intramarginalis (Kaulf. *ex* Link) Trevis., Rendiconti Reale Ist. Lombardo Sci., Cl. Sci. Mat., ser. 2, 9: 810. 1876.
Pteris intramarginalis Kaulf. *ex* Link, *Cheilanthes intramarginalis* (Kaulf. *ex* Link) Hook., *Pellaea intramarginalis* (Kaulf. *ex* Link) J. Sm.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Galápagos.
Salvadoran distribution: **Sonsonate**: R. Seiler 9 (F, MHES). **Santa Ana**: B. Pfeiffer-Berendsohn & W. Berendsohn 14, 16 (LAGU); G. Davidse *et al.* 37247 (B, BM, ITIC, LAGU, MO); J. Lagos 1422 (ITIC); J. Monterrosa *et al.* 223 (B, BM, LAGU, MO); 994 (LAGU); M.B. Siu s.n. (ITIC); N. López *et al.* s.n. (JBL04635) (LAGU); R. Seiler 352 (F, MHES); 898 (F); R. Villacorta *et al.* 1159 (LAGU); 1052, 1257 (B, LAGU, MO). **San Salvador**: A.K. Monro *et al.* 2234 (B, BM, ITIC, LAGU, MO); M.C. Carlson 424 (F); R. Seiler 30 (JBL04799) (F, LAGU, MHES); 58 (F). **Chalatenango**: L. González 1711 (ITIC); L. Lara 215 (MHES); R. Seiler 577 (F, MHES). **San Vicente**: J. Lagos 66 (ITIC). **Usulután**: D. Williams 57, 60 (B, LAGU, MO). **Morazán**: R. Seiler 1088b (F, ITIC, MHES).

Notholaena candida (M. Martens & Galeotti) Hook., Sp. Fil. 5: 110. 1864.
Cheilanthes candida M. Martens & Galeotti, *Aleuritopteris candida* (M. Martens & Galeotti) Fée, *Chrysochosma candida* (M. Martens & Galeotti) Kümmerle
Global distribution: Mexico, Guatemala, Honduras, Nicaragua.
Salvadoran distribution: **Sonsonate**: R. Seiler 497 (F, MHES). **San Miguel**: A. Salgado 62 (MHES).

Notholaena meridionalis Mickel, Mem. New York Bot. Gard. 88: 421-422. 2004.
Global distribution: Mexico, Guatemala, Nicaragua, Costa Rica.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 3645 (B, BM, ITIC, LAGU, MO). **Santa Ana**: R. Seiler 88 (F, MHES, NY).
Pellaea ternifolia (Cav.) Link. **subsp. *ternifolia***, Fil. Spec. 59. 1841.
Pteris ternifolia Cav.
Global distribution: USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Chile, Paraguay, Argentina, Hawaii.
Salvadoran distribution: **Santa Ana**: R. Seiler 679 (MHES); 467 (F).

Pityrogramma calomelanos (L.) Link var. ***calomelanos***, Handbuch 3: 20. 1833.
Acrostichum calomelanos L., *Gymnogramma calomelanos* (L.) Kaulf., *Ceropteris serrata* Fée
Local name: helecho pinta mano.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina.
Salvadoran distribution: **Ahuachapán**: E. Sandoval *et al.* 279 (B, LAGU, MO); 1103, 1301 (B, LAGU); F. Chinchilla s.n. (ISB00093) (B, LAGU, MO); J.M. Rosales 117, 1228 (B, LAGU); 788 (B, LAGU, MO); M. Magaña 8 (MP-00006) (LAGU); M. Sandoval *et al.* 103, 312 (B, F, LAGU); W. Berendsohn *et al.* 1335 (B, LAGU, MO). **Sonsonate**: M.B. Siu s.n. (ITIC); M.L. Reyna de Aguilar 586 (MHES); R. Seiler 631 (F, MHES). **Santa Ana**: M.C. Carlson 841 (F); M.L. Reyna de Aguilar & R. Villacorta 1440 (B, LAGU, MO); R. Seiler 228 (F, MHES). **La Libertad**: K. Sidwell *et al.* 468 (B, BM, ITIC, LAGU, MO); N. Ventura 5014 (ITIC); R. Guerra *et al.* s.n. (JBL04503) (LAGU); R. Menjivar & J. Sermeño s.n. (JBL04494) (LAGU). **San Salvador**: K. Sidwell *et al.* 563 (B, BM, ITIC, LAGU, MO); M.C. Carlson 3 (F); N.C. Fassett 28599 (ITIC); R. Seiler 57 (F, MHES); S. Winkler 30 (ITIC); W. Eggler 680 (ITIC); W. Heed 33 (ITIC). **La Paz**: J.C. González 102 (B, LAGU, MO); R. Villacorta *et al.* 2854 (B, LAGU). **San Vicente**: P. Standley *et al.* 3689 (F). **Usulután**: A. del Cid 1941 (ITIC); D. Williams 14, 297 (LAGU). **San Miguel**: A. Salgado 75 (MHES); J. Tucker 977 (F). **Morazán**: R. Seiler 1047 (F).

Pityrogramma dealbata (C. Presl) Domin, Rozpr. Ceské Akad. Ved., Tr. 2. Vedy Mat. Prir. 51(15): 7. 1942.
Gymnogramma dealbata C. Presl, *Ceropteris schaffneri* Fée, *Pityrogramma schaffneri* (Fée) Weath.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Ahuachapán**: N.C. Fassett 28718b (F); S. de Moore s.n. (12-916) (MHES). **Sonsonate**: J. Tucker 1340 (F). **Santa Ana**: A. Molina *et al.* 16844 (F); M.B. Siu s.n. (ITIC). **La Libertad**: N. Ventura 5019 (ITIC); V. Hellebyuck s.n. (12-92) (F, MHES). **San Salvador**: A. Molina *et al.* 21829 (F, ITIC); M.C. Carlson 464 (F); R. Seiler 66 (F, MHES). **Chalatenango**: L. Lara 208, 219 (MHES). **San Miguel**: A. Salgado s.n. (JBL04801) (LAGU). **Morazán**: A. Salgado 62 (MHES); J. Monterrosa *et al.* 43 (B, BM, LAGU, MO); 671 (BM, LAGU).

Pityrogramma ebenea (L.) Proctor, Brit. Fern Gaz. 9: 219. 1965.
Acrostichum ebeneum L., *A. tartareum* Cav., *Pityrogramma tartarea* (Cav.) Maxon, *P. tripinnata* Domin
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Sonsonate**: R. Seiler 630 (F, MHES). **Santa Ana**: J. Monterrosa *et al.*1029 (LAGU, NY); M.L. Reyna de Aguilar 669 (MHES); R. Seiler 40 (F, MHES); 462 (F, ITIC, MHES). **San Vicente**: S. Winkler s.n. (ITIC).

Pityrogramma ferruginea (Kunze) Maxon, Contr. U.S. Natl. Herb. 17: 173. 1913.
Gymnogramma ferruginea Kunze, *G. bommeri* Christ
Global distribution: Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Peru.
Salvadoran distribution: **Sonsonate**: W. Eggler 606 (ITIC). **Santa Ana**: R. Seiler 499 (F, ITIC, MHES). **San Salvador**: A.K. Monro *et al.* 2222 (B, BM, ITIC, LAGU, MO); M.C. Carlson 448 (F). **Morazán**: J. Monterrosa *et al.* 11 (LAGU, MO).

♦ ***Pityrogramma ochracea*** (C. Presl) Domin, Spisy Prír. Fak. Karlovy Univ. 88: 8. 1928.
Gymnogramma ochraceae C. Presl, *Acrostichum caudatum* Cav., *Pityrogramma calomelanos* (L.) Link var. *ochracea* (C. Presl) R. M. Tryon
Global distribution: Honduras, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Usulután**: D. Williams 139 (B, LAGU, MO); 427 (LAGU).

Pityrogramma trifoliata (L.) R. M. Tryon, Contr. Gray Herb. 189: 68. 1962.
Acrostichum trifoliatum L., *Trismeria trifoliata* (L.) Diels *in* Engl. & Prantl
Local names: helecho vertical.
Global distribution: USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Chile, Paraguay, Argentina, Uruguay.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 431 (B, LAGU); K. Prestegard 49 (MP-00007) (LAGU). **Santa Ana**: M.C. Carlson 840 (F); P. Standley *et al.* 3254 (F); R. Seiler 1207 (F, MHES). **La Libertad**: L. Williams & A. Molina 15192 (JBL015499), LAGU (F). **San Salvador**: F. López s.n. (ITIC); R. Seiler 518 (F, MHES). **Chalatenango**: F. Wunderlin 717 (ITIC); R. Seiler 264 (MHES); R. Villacorta *et al.* 2086 (B, LAGU, MO).

▸ ***Polytaenium cajenense*** (Desv.) Benedict, Bull. Torrey Bot. Club 38: 169. 1911.
Hemionitis cajenense Desv., *Antrophyum cajenense* (Desv.) Spreng., *A. lacantunense* Rovirosa
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles; Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Source: Moran in Davidse *et al.* (1995): 146 (as *Antrophyum cajenense*); Mickel & Smith (2004): 526.

Pteris altissima Poiret *in* Lamarck, Encycl. 5: 722. 1804.
Pteris kunzeana J. Agardh, *P. protea* Liebm., *Litobrochia kunzeana* (J. Agardh) Fée, *L. grandis* Fée

Local names: helecho cola de pavo real, helecho palma de cristo.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1978 (B, BM, ITIC, LAGU, MO); E. Sandoval & R.Chinchilla 1167 (B, LAGU); F. Chinchilla s.n. (ISB00330) (LAGU); R. Seiler 944 (MHES); W. Berendsohn *et al.* 1425 (B, LAGU, MO). **Santa Ana**: S. Winkler 31 (ITIC). **San Salvador**: R. Seiler 536 (MHES).

Pteris biaurita L., Sp. Pl. 2: 1076. 1753.
Local names: helecho cola de ganzo, helecho palma real.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Old World Tropics.
Salvadoran distribution: **Ahuachapán**: J.M. Rosales 490 (AAU, B, BM, LAGU, MO); M. Sandoval & E. Sandoval s.n. (ISB00873) (AAU, B, F, LAGU); R. Seiler 921 (ITIC, MHES); W. Berendsohn *et al.* 1399 (B, LAGU, MO); 1423 (LAGU); 1426 (B, LAGU). **Sonsonate**: D. Rodríguez 157 (LAGU). **La Libertad**: A.K. Monro *et al.* 2314 (B, BM, ITIC, LAGU, MO); J. Monterrosa *et al.* s.n. (JBL04489) (LAGU); K. Sidwell *et al.* 699 (B, BM, ITIC, LAGU, MO); N. Ventura 5009 (ITIC); O. Tejada *et al.* s.n. (JBL04511) (LAGU). **San Salvador**: B. López s.n. (ITIC). **Cabañas**: A.K. Monro *et al.* 3751 (B, BM, ITIC, LAGU, MO); G. Davidse *et al.* 37119 (B, BM, ITIC, LAGU, MO).

Pteris cretica L., Mant. Pl. 130. 1767.
Pteris triphylla M. Martens & Galeotti, *P. trifoliata* Fée
Local name: helecho pié de zenzontle.
Global distribution: USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Peru, Brazil, Argentina, Old World Tropics and Subtropics.
Salvadoran distribution: **La Libertad**: E.A. Montalvo 6227 (B, LAGU). **San Salvador**: R. Seiler 222 (MHES). **Chalatenango**: R. Seiler 377 (JBL00206) (LAGU, MHES).

♦ ***Pteris erosa*** Mickel & Beitel, Mem. New York Bot. Gard. 46: 322-323. 1988.
Global distribution: Mexico, Guatemala.
Salvadoran distribution: **Sonsonate**: R. Seiler 622 (MHES). **Santa Ana**: D. Rodríguez & G. Cerén s.n. (JBL04599) (LAGU); J. Monterrosa *et al.* 206 (B, LAGU, MO); R. Seiler 246 (MHES); V.M. Martínez s.n. (CMC00844) (B, LAGU). **San Salvador**: R. Seiler 212 (F, MHES). **San Vicente**: R. Seiler 316 (MHES).
Note: Moran in Davidse *et al.* (1995) considered this name a synonym of *Pteris orizabae* M. Martens *et* Galeotti. Mickel & Smith (2004) consider *P. orizabae* and *Pteris erosa* distinct based on differences in indusium margin and other characters.

Pteris grandifolia L., Sp. Pl. 2: 1073. 1753.
Litobrochia grandifolia (L.) J. Sm., *Heterophlebium grandifolium* (L.) Fée
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil.
Salvadoran distribution: P. Standley 21242, MO (Moran in Davidse *et al.* 1995). **San Vicente**: R. Seiler 974 (ITIC, MHES).

Pteris muricella Fée, Mém. Foug. 8: 73. 1857.
Pteris mollis Christ
Global distribution: Mexico, Guatemala, Nicaragua, Costa Rica, Panama, Venezuela.
Salvadoran distribution: **Ahuachapán**: R. Seiler 904 (F, ITIC, MHES).

Pteris orizabae M. Martens *et* Galeotti, Foug. Mexique 53, pl. 13. 1842.
Pteris apicaulis Liebm., *P. hemipteris* (Fée) Hook., *Litobrochia orizabae* (M. Martens & Galeotti) Fée, *L. setifera* Fée, *L. hemipteris* Fée
Global distribution: Mexico, Guatemala, Honduras, Nicaragua.
Salvadoran distribution: T. Croat 42417, MO (Moran in Davidse *et al.* 1995). **Santa Ana**: J. Monterrosa & R. Martínez 945 (B, LAGU, MO); R. Seiler 272, 692 (MHES). **Morazán**: R. Seiler 1032 (ITIC, MHES).

Pteris paucinervata Fée, Mém. Foug. 8: 73. 1857.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Chalatenango**: R. Seiler 408 (JBL00205) (F, LAGU, MHES).

Pteris podophylla Sw., J. Bot. (Schrader) 1800(2): 67. 1801.
Lonchitis pedata L.
Global distribution: Mexico, Guatemala, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Suriname, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: R. Seiler 675 (F, MHES).

Pteris quadriaurita Retz., Observ. Bot. 6: 38. 1791.
Pteris plumula Desv., *P. nemoralis* Willd. var. *major* M. Martens & Galeotti, *P. galeotti* (Fée) Hook., *Litobrochia galeotti* Fée
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Bolivia, Argentina, Africa, Asia.
Salvadoran distribution: **Ahuachapán**: G. Davidse *et al.* 37435 (B, BM, ITIC, LAGU, MO); R. Seiler 813, 908, 951 (MHES); W. Berendsohn *et al.* 1347 (B, LAGU, MO). **Sonsonate**: R. Seiler 621 (MHES). **Santa Ana**: K. Prestegard 2 (MP-00035) (LAGU); M.B. Siu s.n. (ITIC); R. Seiler 1205 (MHES); S. Winkler 36 (ITIC); T. Croat 42306 (ITIC). **La Libertad**: W. Berendsohn *et al.* 1048 (B, LAGU). **San Salvador**: R. Seiler 217 (MHES). **Chalatenango**: J.C. González & M.A. Hernández 268 (B, LAGU, MO). **Cabañas**: A.K. Monro *et al.* 3743 (B, BM, ITIC, LAGU, MO); R.A. Carballo *et al.* 253 (LAGU, MO).

Pteris vittata L., Sp. Pl. 2: 1074. 1753.
Local name: helecho de banda.
Global distribution: Mexico, Honduras, Panama, Antilles, Venezuela, Peru, Brazil, Argentina; Viejo Mundo.
Salvadoran distribution: **Ahuachapán**: K. Prestegard 6 (MP-00036) (LAGU); R. Seiler 811 (F, ITIC, MHES). **La Libertad**: E.A. Montalvo 6340 (B, LAGU, MO).

Scoliosorus ensiformis (Hook.) T. Moore, Index Fil. xxix, 1857.
Antrophyum ensiforme Hook. *in* Bentham, *A. falcatum* M. Martens & Galeotti, *A. carnosum* Liebm., *A. galeotti* Fée, *Polytaenium ensiforme* (Hook.) Benedict

Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Ahuachapán**: M. Renderos *et al.* 430 (LAGU); R. Seiler 915 (ITIC, MHES); 966 (MHES). **Sonsonate**: E.A. Montalvo s.n. (ITIC); R. Seiler 614 (MHES); T. Croat 42216 (ITIC). **Santa Ana**: B. Pfeiffer-Berendsohn & W. Berendsohn 30 (B, LAGU, MO); D. Rodríguez *et al.* 37 (B, LAGU, NY); J. Lagos 1619 (ITIC); J. Monterrosa *et al.* 528 (B, LAGU, MO); 938 (B, LAGU, NY); K. Prestegard 25 (MP-00009) (LAGU); R. Seiler 15, 131 (ITIC, MHES); 360 (MHES); S. Winkler 54 (ITIC); W. Berendsohn *et al.* 1710 (B, BM, LAGU, MO). **Chalatenango**: R. Seiler 412 (JBL04946) (LAGU, MHES). **Morazán**: R. Seiler 1017 (ITIC, MHES).

♦***Vittaria bradeorum*** Rosenst., Repert. Spec. Nov. Regni Veg. 22: 18. 1925.
Global distribution: Mexico, Guatemala, Costa Rica. Nicaragua y Panama.
Local names: helecho barba de cacique, helecho cola de gorrión.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & M. Sandoval 1439 (B, LAGU); W. Berendsohn *et al.* 1461 (LAGU).

Vittaria graminifolia Kaulf., Enum. Filic. 192. 1824.
Vittaria filifolia Fée, *V. dimorpha* Müll.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Suriname, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Ahuachapán**: R. Seiler 820, 960 (F, MHES). **Sonsonate**: A. Molina *et al.* 21722 (F, ITIC); R. Seiler 605 (F, MHES). **Santa Ana**: A. del Cid 1621 (ITIC); E.A. Montalvo 3281 (ITIC); F. Wunderlin 559 (ITIC); G. Davidse *et al.* 37281 (B, BM, ITIC, LAGU, MO); J.L. Linares s.n. (JBL01322) (LAGU); J. Monterrosa *et al.* 950, 991 (LAGU, NY); M.B. Siu s.n. (ITIC); R. Seiler 17 (ITIC, MHES); 128 (F, MHES); 99, 283, 356 (F, ITIC, MHES). **San Salvador**: M.C. Carlson 426 (F). **Chalatenango**: R. Seiler 402 (JBL00208) (F, LAGU, MHES); W. Heed 39 (ITIC). **San Vicente**: R. Seiler 335 (F, ITIC, MHES). **Morazán**: R. Seiler 991 (F, MHES).

SALVINIACEAE

▸***Azolla filiculoides*** Lam., Encycl. I: 343. 1783.
Azolla caroliniana Willd.
Global distribution: USA; Mexico, Guatemala, Honduras, Nicaragua, Colombia, Venezuela, Bolivia, Chile, Argentina, Uruguay, E Asia, Australia, Hawaii.
References: Maxon & Standley (1930): 177 (as *Azolla caroliniana*); Calderón & Standley (1941): 35 (as *A. caroliniana*); Seiler (1982): 390; Berendsohn (1989): 23.

Azolla microphylla Kaulf., Enum. Filic. 273. 1824.
Azolla mexicana C. Presl
Global distribution: Canada; Mexico, Honduras, Nicaragua, Antilles, Colombia, Venezuela, French Guyana, Ecuador, Peru, Brazil, Bolivia, Argentina, Uruguay.
Salvadoran distribution: **Ahuachapán**: R. Seiler 722 (MHES). **La Libertad**: E.A.Montalvo 3472 (ITIC). **San Vicente**: N.C. Fassett 28344 (JBL01484) (ITIC, LAGU). **San Miguel**: J. Monterrosa & R. Villacorta 1638 (BM, LAGU, MO).

Salvinia auriculata Aubl., Hist. Pl. Guiane 2: 969, t. 367. 1775.
Salvinia rotundifolia Willd.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Chile, Paraguay, Argentina, Uruguay.
Salvadoran distribution: **La Unión**: R. Villacorta *et al.* 2706 (B, CR, LAGU, MEXU); N.C. Fassett 28631 (ITIC, MO) (Moran in Davidse *et al.* 1995); 28662 (ITIC); J. Monterrosa & R. Villacorta 1637 (BM, LAGU, MO).

Salvinia minima Baker, J. Bot. 24: 98. 1886.
Salvinia rotundifolia auct. *non* Willd.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina, Uruguay.
Salvadoran distribution: **Ahuachapán**: G. Davidse *et al.* 37384 (B, BM, ITIC, LAGU, MO); J.M. Rosales 2272 (B, LAGU, MO); N. Herrera s.n. (JBL03862) (LAGU, MO); R. Seiler 900 (MHES). **Santa Ana**: C. Peñate 4 (ITIC). **San Salvador**: K. Sidwell *et al.* 534 (B, BM, ITIC, LAGU, MO). **La Paz**: N.C. Fassett 28515 (ITIC). **Usulután**: N.C. Fassett 28683 (ITIC). **San Miguel**: N.C. Fassett 28556 (ITIC); R. Seiler 723 (MHES). **La Unión**: K. Sidwell *et al.* 689 (B, BM, ITIC, LAGU, MO).

TECTARIACEAE

Tectaria heracleifolia (Willd.) Underw., Bull. Torrey Bot. Club 33: 200. 1906.
Aspidium heracleifolium Willd., *Polypodium cordifolium* M. Martens & Galeotti, *Tectaria heracleifolia* (Willd.) Underw. var. *maxima* C.V. Morton
Local names: helecho cisne, helecho cola de perro, helecho corazón, helecho palma de costa.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 84 (B, LAGU); 732 (B, LAGU, MO); J.M. Rosales 231, 745 (AAU, B, BM, LAGU, MO); 946 (LAGU); R. Seiler 941 (JBL04819) (F, LAGU, MHES); R. Villacorta & Martínez 409 (LAGU, MO); W. Berendsohn & R. Villacorta 1110 (B, LAGU); W. Berendsohn *et al.* 1319, 1324, 1361, 1605 (B, LAGU, MO). **Sonsonate**: D. Rodríguez & G. Trejo 200 (B, LAGU, MO). **Santa Ana**: K. Prestegard 35 (MP-00024) (LAGU). **La Libertad**: L.O. Williams *et al.* 16779 (F); R.A. Carballo *et al.* 38 (B, BM, LAGU, MO). **San Vicente**: P. Standley *et al.* 3532 (F). **San Miguel**: A. Salgado s.n. (JBL04802) (LAGU); A. Salgado 77 (F, MHES). **Cabañas**: A.K. Monro *et al.* 3745 (B, BM, ITIC, LAGU, MO).

Tectaria incisa Cav. **f. *incisa***, Descr. Pl. 249. 1801.
Aspidium macrophyllum Sw. var. *pittieri* Christ, *A. martinicense* Spreng., *Tectaria martinicensis* (Spreng.) Copel.
Local name: helecho samaritana.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 212 (LAGU);

1352 (B, LAGU); R. Seiler 930 (F, MHES). **Sonsonate**: D. Rodríguez 161 (LAGU). **La Libertad**: S. Winkler 70 (ITIC). **San Salvador**: S. Winkler 89 (ITIC). **San Vicente**: P. Standley *et al*. 3771 (F).

Tectaria mexicana (Fée) Morton, Amer. Fern. J. 56. 133. 1966.
Sagenia mexicana Fée, *Aspidium latifolium* C. Presl, *Tectaria latifolia* (G. Forst.) Copel., *T. mexicana* (Fée) C.V. Morton var. *pilosula* C.V. Morton., *T. dilacerata* auct. non Kunze
Local names: helecho cola de pavo, helecho falsa salamandra, helecho pié de león.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Ecuador.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 2002 (B, BM, ITIC, LAGU, MO); E. Sandoval & H. Rivera 1313 (B, LAGU); F. Chinchilla & E. Sandoval s.n. (ISB00276) (B, LAGU, MO); s.n. (ISB00670) (AAU, B, LAGU); J.M. Rosales 1314 (LAGU); M. Sandoval & E. Sandoval s.n. (ISB00870) (AAU, B, F, LAGU); M. Sandoval & E. Sandoval 93 (B, F, LAGU); P. Standley *et al*. 2607 (F); R. Seiler 816 (F, MHES); 934 (MHES). **Sonsonate**: D. Rodríguez & M. Trejo 82 (LAGU); J. Tucker 1351 (F). **La Libertad**: A.K. Monro *et al.* 2306, 3090 (B, BM, ITIC, LAGU, MO); J. Monterrosa *et al*. s.n. (JBL04486) (B, BM, ITIC, LAGU, MO); M.C. Carlson 141 (F); M. Magaña 38 (MP-00038), 39 (MP-00014) (LAGU); N. Ventura 5003 (ITIC); O.González *et al*. s.n. (JBL04495) (B, BM, ITIC, LAGU, MO). **San Salvador**: A.K. Monro *et al*. 3438 (B, BM, ITIC, LAGU, MO); A. Molina *et al*. 21848 (F, ITIC); K. Sidwell *et al*. 573 (B, BM, ITIC, LAGU, MO); R. Seiler 197 (F, MHES). **Chalatenango**: L. González 1721 (ITIC). **San Vicente**: P. Standley *et al*. 3772 (F). **Usulután**: D. Williams 132 (LAGU, MO). **San Miguel**: A.K. Monro *et al*. 2947 (B, BM, ITIC, LAGU, MO); A. Salgado 74 (MHES); M. Renderos *et al*. 685 (AAU, B, LAGU, MO); R. Villacorta *et al*. 2824 (B, BM, LAGU, MEXU, MO). **Cuscatlán**: S. Dar s.n. (JBL03664) (B, LAGU, MO).

Tectaria rivalis (Mett. *ex* Kuhn) C. Chr., Index Filic., Suppl. 3, 184. 1934.
Tectaria rheosora auct. non. (Baker) C. Chr.
Global distribution: Belize, Guatemala, Nicaragua, Costa Rica, Panama, Colombia, Ecuador.
Salvadoran distribution: **Ahuachapán**: R. Seiler 943 (F, MHES).

▸ ***Tectaria transiens*** (C. V. Morton) A. R. Sm., Amer. Fern. J. 70: 27. 1980.
Tectaria incisa Cav. subsp. *transiens* C.V. Morton, *T. ramkissoonii* Jermy & T. G. Walker
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Trinidad and Tobago, Ecuador, Peru.
Source: R.C. Moran in Davidse *et al.* 1995: 209. Mickel & Smith 2004: 614.

THELYPTERIDACEAE

Macrothelypteris torresiana (Gaudich.) Ching, Acta Phytotax. Sin. 8: 310. 1963.
Polystichum torresianum Gaudich., *Thelypteris torresiana* (Gaudich.) Alston, *T. uliginosa* (Kunze) Ching, *Aspidium uliginosum* Kunze, *Dryopteris uliginosa* (Kunze) C. Chr.

Local names: helecho amarillo, helecho palma de pozo, helecho pata de paloma.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina, Africa, Asia, Pacific Islands.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1930 (B, BM, ITIC, LAGU, MO); E. Sandoval & H. Rivera 1276 (B, LAGU); E. Sandoval & O. Rivera s.n. (ISB00814) (AAU, LAGU); F. Chinchilla & E. Sandoval s.n. (ISB00270) (LAGU); J.M. Rosales 1052 (B, LAGU); M. Sandoval & E. Sandoval s.n. (ISB00843) (AAU, B, LAGU); s.n. (JBL01367), 305 (B, LAGU); 208 (B, F, LAGU); S. Castillo s.n. (ISF00688) (LAGU); S. de Moore s.n. (12-933) (MHES). **Santa Ana**: G. Davidse *et al.* 37227 (B, BM, ITIC, LAGU, MO); K. Prestegard 20 (MP-00049) (LAGU); R. Seiler 470 (F, ITIC, MHES); 839 (MHES). **La Libertad**: A.K. Monro *et al.* 2309, 3733, 3775 (B, BM, ITIC, LAGU, MO); W. Berendsohn *et al.* 1047 (B, LAGU); 1444 (LAGU). **San Salvador**: M. Renderos 707 (B, LAGU, MO); R. Seiler 369 (F, MHES); 1504 (F). **Cabañas**: A.K. Monro *et al.* 3753 (B, BM, ITIC, LAGU, MO).

Thelypteris subg. Amauropelta

Thelypteris balbisii (Spreng.) Ching, Bull. Fan Mem. Inst. Biol. 10: 250. 1941.
Polypodium balbisii Spreng., *Aspidium sprengelii* Kaulf., *Dryopteris sprengelii* (Kaulf.) Kuntze, *D. balbisii* (Spreng.) Urb., *Thelypteris sprengelii* (Kaulf.) Proctor
Local name: helecho palma de río.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1931 (B, BM, ITIC, LAGU, MO); E. Sandoval & F. Chinchilla 918 (B, LAGU); M. Sandoval & E. Sandoval 303 (B, F, LAGU); P. Standley *et al.* 2499 (F); R. Seiler 918, 935 (F, MHES); S. de Moore s.n. (12-932) (MHES); W. Berendsohn *et al.* 1346 (B, LAGU, MO); 1722 (B, LAGU). **Sonsonate**: J. Tucker 1331 (F). **Santa Ana**: G. Cerén & D. Rodríguez s.n. (JBL04658) (B, LAGU, MO); R. Seiler 1203 (F, MHES). **La Libertad**: E.A. Montalvo & R. Villacorta 6402 (B, ITIC, LAGU, MO); L. Williams & A. Molina 15203 (JBL01550) (LAGU). **San Salvador**: A. Molina *et al.* 21841 (F, ITIC); R. Seiler 221, 712 (F, MHES). **Chalatenango**: L. Lara 235, 236 (MHES). **Cuscatlán**: E.A. Montalvo 3313 (ITIC). **Morazán**: R. Seiler 1084 (F, MHES).

Thelypteris cheilanthoides (Kunze) Proctor **var. *cheilanthoides***, Bull. Inst. Jamaica, Sci. Ser. 5: 58. 1953.
Phegopteris amplificata Fée, *Dryopteris amplificata* (Fée) C. Chr., *Aspidium kunzei* Fée
Global distribution: Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Santa Ana**: V.M. Martínez s.n. (CMC00980) (B, EAP, LAGU, MO).

Thelypteris concinna (Willd.) Ching, Bull. Fan Mem. Inst. Biol. 10: 251. 1941.
Polypodium concinnum Willd., *Dryopteris concinna* (Willd.) Kuntze, *Amauropelta concinna* (Willd.) Pic. Serm., *Phegopteris elongata* E. Fourn., *Thelypteris concinna* (Willd.) Ching var. *elongata* (E. Fourn.) C. F. Reed

Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: S. Calderón 1994, LAGU (photo), NY. **Chalatenango**: R. Seiler 256 (F, MHES). **Morazán**: J. Tucker 701 (F).

Thelypteris deflexa (C. Presl) R. M. Tryon, Rhodora 69: 5. 1967.
Nephrodium defelxum C. Presl, *Dryopteris lindigii* C. Chr., *Thelypteris lindigii* (C. Chr.) Alston, *Amauropelta deflexa* (C. Presl) Å. Löve & D. Löve
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Morazán**: R. Seiler 1010 (F, LAGU (photo), MHES, NY, UC).

♦ ***Thelypteris linkiana*** (C. Presl) R.M. Tryon, Rhodora 69: 6. 1967.
Gymnogramma diplazioides Desv., *G. polypodioides* Link, *G. cheilosora* Fée, *Grammitis linkiana* C. Presl, *Dryopteris linkiana* (C. Presl) Maxon, *D. diplazioides* (Desv.) Proctor
Global distribution: Mexico, Guatemala, Belice, Honduras, Nicaragua, Costa Rica, Antilles, Colombia, Venezuela, Guayana, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: J.Monterrosa, D.Rodríguez & R.González 1528 (BM, LAGU, MHES, UC).

Thelypteris melanochlaena (C. Chr.) C. F. Reed, Phytologia 17: 292. 1968.
Dryopteris melanochlaena C. Chr.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua.
Salvadoran distribution: **Ahuachapán**: R. Seiler 826 (F, MHES). **Santa Ana**: G. Davidse *et al.* 37234 (B, BM, ITIC, LAGU, MO).

Thelypteris oaxacana A. R. Sm., Amer. Fern J. 63: 125 (F). 7. 8. 1973.
Global distribution: Mexico, Costa Rica, Nicaragua, Panama.
Salvadoran distribution: **Chalatenango**: Tucker 1043 (F, MICH) (A.R. Smith in Davidse *et al.* 1995).

Thelypteris oligocarpa (Humb. & Bonpl. *ex* Willd.) Ching, Bull. Fan Mem. Inst. Biol. 10: 253. 1941.
Polypodium oligocarpum Humb. & Bonpl. *ex* Willd., *Dryopteris oligocarpa* (Humb. & Bonpl. *ex* Willd.) Kuntze, *D. columbiana* C. Chr., *Amauropelta oligocarpa* (Humb. & Bonpl. *ex* Willd.) Pic. Serm., *Thelypteris columbiana* (C. Chr.) C. V. Morton, *Phegopteris pilosula* Fée
Local names: helecho trensillo.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Pérez 1242 (B, LAGU). **Sonsonate**: R. Seiler 600 (MHES). **Santa Ana**: J. Monterrosa *et al.* 935, 969 (B, LAGU, NY); R. Seiler 117, 279, 281, 347 (F, MHES); 671 (MHES); 873 (F, ITIC, MHES). **San Salvador**: A.K. Monro *et al.* 3455 (B, BM, ITIC, LAGU, MO); M.C. Carlson 4b (F); R. Seiler 33, 362 (F, MHES). **Chalatenango**: R. Seiler 421 (F, MHES). **Morazán**: R. Seiler 1059 (F, MHES).

Thelypteris pilosohispida (Hook.) Alston, J. Wash. Acad. Sci. 48: 233. 1958.
Nephrodium pilosohispidum Hook., *Dryopteris pilosohispida* (Hook.) C. Chr., *Alsophila pilosa* M. Martens & Galeotti
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 16745 (F); J. Monterrosa *et al.* 207 (B, LAGU); R. Seiler 248 (F, MHES); S. Winkler 66 (ITIC). **Morazán**: R. Seiler 1008 (F, MHES).

Thelypteris pilosula (Klotzsch & H. Karst. *ex* Mett.) R. M. Tryon, Rhodora 69: 7. 1967.
Aspidium pilosulum Mett., *Dryopteris pilosula* (Klotzsch & H. Karst. *ex* Mett.) Hieron., *Amauropelta pilosula* (Mett.) Å. Löve & D. Löve
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: G. Davidse *et al.* 37310 (B, BM, ITIC, LAGU, MO); R. Seiler 1193 (F, ITIC, MHES). **Chalatenango**: R. Seiler 421 (JBL00207) (LAGU); R. Seiler 728 (MHES).

Thelypteris resinifera (Desv.) Proctor **var. *resinifera***, Bull. Inst. Jamaica, Sci. Ser. 5: 63. 1953.
Nephrodium panamense C. Presl, *Dryopteris panamensis* (C. Presl) C. Chr., *D. panamensis* (C. Presl) C. Chr. var. *gonzalezii* Christ *ex* C. Chr., *Thelypteris panamensis* (C. Presl) E. P. St. John, *Polypodium litiginosum* Liebm., *Aspidium exsudans* E. Fourn., *A. exsudans* E. Fourn. var. *majus* E. Fourn., *A. exsudans* E. Fourn. var. *feei* E. Fourn., *A. ghiesbreghtii* E. Fourn.
Local name: helecho palma de río.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Ecuador.
Salvadoran distribution: **Ahuachapán**: A.K. Monro & M.L. Fomtg 2976 (B, BM, ITIC, LAGU, MO); E. Sandoval & E. Fuentes 1302 (B, LAGU); F. Chinchilla & E. Sandoval s.n. (ISB00152) (B, LAGU); J.M. Rosales 431 (B, BM, LAGU, MO); 943 (B, LAGU, MO); P. Standley *et al.* 2969, 2982 (F); S. Castillo s.n. (ISF00593) (B, LAGU, MO). **Santa Ana**: B. Pfeiffer-Berendsohn 64 (LAGU, MO); E.A. Montalvo 3367 (ITIC). **La Libertad**: A.K. Monro *et al.* 2291 (B, BM, ITIC, LAGU, MO); E.A. Montalvo 3417 (ITIC). **San Salvador**: A.K. Monro *et al.* 2239 (B, BM, ITIC, LAGU, MO); E.A. Montalvo 3585 (ITIC); R. Seiler 784 (F, ITIC, MHES). **Chalatenango**: A. Molina *et al.* 21556 (F, ITIC); R. Seiler 261 (F, MHES); R. Villacorta *et al.* 982 (B, LAGU, MO). **San Vicente**: P. Standley *et al.* 3409, 3697 (F). **Morazán**: A.K. Monro *et al.* 3803 (B, BM, ITIC, LAGU, MO); J. Tucker 645, 700 (F); K. Sidwell *et al.* 750 (B, BM, ITIC, LAGU, MO); R. Seiler 1049a (F, ITIC, MHES).

Thelypteris rudis (Kunze) Proctor, Bull. Inst. Jamaica, Sci. Ser. 5: 64. 1953.
Polypodium rude Kunze, *Dryopteris rudis* (Kunze) C. Chr., *Amauropelta rudis* (Kunze) Pic. Serm., *Phegopteris impressa* Fée
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Santa Ana**: A. Molina *et al.* 16745 (LAGU (photo), NY); R. Seiler 194 (F).

Thelypteris scalaris (Christ) Alston, J. Wash. Acad. Sci. 48: 234. 1958.
Aspidium scalare Christ, *Dryopteris scalaris* (Christ) C. Chr., *Amauropelta scalaris* (Christ) Å. Löve & D. Löve
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Ecuador, Peru.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 2015 (B, BM, ITIC, LAGU, MO). **Santa Ana**: R. Seiler 193 (F, ITIC, LAGU (photo), MHES, NY). **La Libertad**: K. Sidwell *et al.* 708 (B, BM, ITIC, LAGU, MO). **Usulután**: A.K. Monro *et al.* 3021 (B, BM, ITIC, LAGU, MO); D. Williams 59 (LAGU, MO). **Morazán**: R. Seiler 985 (MHES, UC).

▸ ***Thelypteris thomsonii*** (Jenman) Proctor, Bull. Inst. Jamaica, Sci. Ser. 5: 65. 1953.
Polypodium thomsonii Jenman, *Dryopteris thomsonii* (Jenman) C. Chr., *D. stuebelii* Hieron., *Amauropelta thomsonii* (Jenman) Pic. Serm.
Global distribution: Mexico, Guatemala, Costa Rica, Panama, Antilles, Ecuador, Peru.
Source: Stolze (1981): 487; Berendsohn (1989) 1: 26; Mickel & Smith (2004): 637.

Thelypteris subg. Cyclosorus

Thelypteris cretacea A. R. Sm., Univ. Calif. Publ. Bot. 59: 92. 1971.
Christella cretacea (A. R. Sm.) Å. Löve & D. Löve
Global distribution: Mexico, Guatemala, Nicaragua, Costa Rica.
Salvadoran distribution: **Ahuachapán**: A.K. Monro & M.L. Fomtg 2983 (B, BM, ITIC, LAGU, MO); J.M. Rosales 945 (B, LAGU, MO); R. Seiler 919 (F, MHES). **Santa Ana**: M.B. Siu s.n. (ITIC). **La Libertad**: R. Seiler 715 (F, MHES). **San Salvador**: R. Seiler 254 (F, MHES). **Cabañas**: R. Seiler 523 (F, MHES).

Thelypteris dentata (Forssk.) E. P. St. John, Amer. Fern J. 26: 44. 1936.
Polypodium dentatum Forssk., *Dryopteris dentata* (Forssk.) C. Chr., *D. mollis* (Sw.) Hieron., *Cyclosorus dentatus* (Forssk.) Ching, *Christella dentata* (Forssk.) Brownsey & Jermy, *Aspidium molle* Sw.
Local name: palmarín.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil, Paraguay, Argentina, Africa, Asia, Pacific Islands.
Salvadoran distribution: **La Libertad**: K. Prestegard 44 (MP-00046) (LAGU). **San Salvador**: R. Seiler 219 (MHES); 710 (F, MHES). **Chalatenango**: R. Seiler 259 (F, MHES). **La Unión**: R. Seiler 1048 (F, MHES).

Thelypteris hispidula (Decne.) C. F. Reed, Phytologia 17: 283. 1968.
Aspidium hispidulum Decne., *Christella hispidula* (Decne.) Holttum, *Nephrodium quadrangulare* Fée, *Dryopteris quadrangularis* (Fée) Alston, *Thelypteris quadrangularis* (Fée) Schelpe
Local names: helecho de río, helecho palma de río, helecho trensillo, palma de barranco.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina,

Uruguay, Africa, Asia.
Salvadoran distribution: **Ahuachapán**: E.A. Montalvo 5061 (ITIC); E. Sandoval 206 (LAGU); 1147 (B, LAGU, MO); F. Chinchilla & E. Sandoval s.n. (ISB00426) (LAGU); J.M. Rosales 43 (AAU, B, BM, LAGU, MO, MEXU); 987 (B, BM, LAGU, MO); 340, 2667 (B, LAGU, MO); 688, 2177 (AAU, B, BM, LAGU, MO); M. Sandoval & E. Sandoval 251 (B, F, LAGU); R. Seiler 942 (F, MHES); S. Castillo s.n. (ISF00582) (B, F, LAGU, MO). **Santa Ana**: K. Prestegard 4 (MP-00047) (LAGU); M. Magaña 3 (LAGU); O. Pank s.n. (12-1000) (MHES). **La Libertad**: A.K. Monro *et al.* 3092 (B, BM, ITIC, LAGU, MO); N. Ventura 5022, 5023 (ITIC); W. Berendsohn *et al.* 1443 (LAGU). **San Salvador**: R. Seiler 50, 220, 453 (F, MHES). **Usulután**: D. Williams & R.W. Herrera 237 (LAGU). **San Miguel**: A.K. Monro *et al.* 2945 (B, BM, ITIC, LAGU, MO). **Cabañas**: G. Davidse *et al.* 37115 (B, BM, ITIC, LAGU, MO); R. Seiler 227, 229 (MHES).

Thelypteris interrupta (Willd.) K. Iwats., Jap. J. Bot. 38: 314. 1963.
Pteris interrupta Willd., *Cyclosorus interruptus* (Willd.) H. Itô, *C. tottum* (Thunb.) Pic. Ser., *C. gongylodes* (Schkuhr) Link, *Dryopteris gongylodes* (Schkuhr) Kuntze, *Polypodium tottum* Thunb., *Thelypteris totta* (Thunb.) Schelpe, *T. gongylodes* (Schkuhr) Small, *Aspidium gongylodes* Schkuhr, *Nephrodium paludosum* Liebm.
Global distribution: USA, Mexico, Guatemala, Honduras, Costa Rica, Panama, Antilles, Colombia, Venezuela, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina, Uruguay, Africa, Asia.
Salvadoran distribution: **Ahuachapán**: G. Davidse *et al.* 37454 (B, BM, ITIC, LAGU, MO); J.M. Rosales 2447 (B, LAGU, MO); N.C. Fassett 28523 (ITIC); N. Herrera s.n. (JBL03767) (B, LAGU, MO); R. Seiler 950 (F, MHES).

Thelypteris kunthii (Desv.) C.V. Morton, Contr. U.S. Natl. Herb. 38: 53. 1967.
Nephrodium kunthii Desv., *Dryopteris normalis* C. Chr., *Thelypteris normalis* (C. Chr.) Moxley, *Christella normalis* (C. Chr.) Holttum.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Antilles, Colombia, Venezuela, Brazil.
Salvadoran distribution: **San Miguel**: R. Villacorta *et al.* 2703 (B, BM, LAGU, MO); 2890 (B, BM, EAP, LAGU, MO).

Thelypteris patens (Sw.) Small **var. *patens***, Ferns S.E. States 243. 1938.
Polypodium patens Sw., *Dryopteris patens* (Sw.) Kuntze, *Christella patens* (Sw.) Holttum
Local name: helecho palma de pozo.
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Peru, Brazil, Bolivia, Paraguay.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 81 (B, LAGU); R. Seiler 936 (F, ITIC, MHES). **Sonsonate**: D. Rodríguez 160 (LAGU); J. Tucker 1352 (F); M.B. Siu s.n. (ITIC). **Santa Ana**: E.A. Montalvo 3246 (ITIC); S. Winkler 87 (ITIC). **La Libertad**: A.K. Monro *et al.* 3731, 3734 (B, BM, ITIC, LAGU, MO); R. Villacorta 1068 (B, LAGU, MO). **San Salvador**: A. Molina *et al.* 21846 (F); R. Seiler 340, 519 (F, MHES). **San Vicente**: P. Standley *et al.* 3675 (F). **Usulután**: D. Williams 261 (LAGU). **Cabañas**: A.K. Monro *et al.* 3744, 3756 (B, BM, ITIC, LAGU, MO); R.

Seiler 226 (F, MHES).

Thelypteris patens (Sw.) Small **var. *smithiana*** Ponce, Darwiniana 28: 373. 1987.
Global distribution: Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Bolivia, Brazil.
Salvadoran distribution: **Santa Ana**: R. Seiler 762 (F, MHES). **San Miguel**: A. Salgado 73 (F, MHES). **Cabañas**: G. Davidse *et al.* 37118 (B, BM, ITIC, LAGU, MO). **Morazán**: Tucker 690 (F, UC) (A.R. Smith in Davidse *et al.* 1995).
Thelypteris puberula (Baker) C.V. Morton **var. *puberula***, Amer. Fern J. 48: 138. 1958.
Aspidium puberulum Fée, *Nephrodium puberulum* Baker *in* Hooker & Baker, *Dryopteris puberula* (Baker) Kuntze, *D. feei* C. Chr., *D. augescens* (Link) C. Chr. var. *puberula* (Baker) C. Chr., *Thelypteris feei* (C. Chr.) Moxley, *Christella puberula* (Baker) Å. Löve & D. Löve
Local name: helecho peloso.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Antilles.
Salvadoran distribution: **Santa Ana**: J. Lagos 1622 (ITIC); R. Seiler 676 (F); V.M. Martínez s.n. (CMC00854) (B, LAGU); R. Seiler 876 (MHES). **San Salvador**: A. Molina & E.A. Montalvo 21653 (EAP, LAGU (photo), NY); R. Seiler 51 (F, MHES). **La Libertad**: J. Williams s.n. (ITIC); L.O. Williams *et al.* 15092 (F); R. Seiler 1520 (F).

Thelypteris subg. Goniopteris

Thelypteris hatchii A. R. Sm., Amer. Fern J. 63: 118 (F). 1-3. 1973.
Goniopteris hatchii (A. R. Sm.) Å. Löve & D. Löve
Global distribution: Mexico, Guatemala, Honduras, Costa Rica.
Salvadoran distribution: **Morazán**: R. Seiler 1063 (F, ITIC, MHES).

Thelypteris minor (C. Chr.) A. R. Sm., Phytologia 34: 232. 1976.
Dryopteris nicaraguensis (E. Fourn.) C. Chr. var. *minor* C. Chr.
Local name: helecho nido de guachota.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1977 (B, BM, ITIC, LAGU, MO); D. Witsberger 653, 690, 691 (MHES); E. Sandoval 42 (LAGU, MO); 1136 (B, LAGU); G. Davidse *et al.* 37373, 37376 (B, BM, ITIC, LAGU, MO); N. Herrera s.n. (JBL03861) (LAGU, MO); R. Seiler 815 (F, ITIC, MHES). **Sonsonate**: A. Molina *et al.* 21624 (ITIC). **Santa Ana**: M.B. Siu s.n. (ITIC); S. Winkler 88 (ITIC). **Morazán**: R. Seiler 905 (F, ITIC, MHES).

♦***Thelypteris obliterata*** (Sw.) Proctor, Bull. Inst. Jamaica, Sci. Ser. 5: 62. 1953.
Polypodium obliteratum Sw., *P. faucium* Liebm., *Goniopteris obliterata* (Sw.) C. Presl., *Dryopteris obliterata* (Sw.) C. Chr.
Global distribution: Mexico, Guatemala, Belice, Honduras, Nicaragua, Costa Rica, Antilles.
Salvadoran distribution: **Morazán**: J.Monterrosa & C.Bermudez 1383 (BM, LAGU, MO, NY, UC).

Thelypteris tetragona (Sw.) Small, Ferns S. E. States 256. 1938.
Polypodium tetragonum Sw., *Goniopteris tetragona* (Sw.) C. Presl, *Dryopteris tetragona* (Sw.) Urb., *D. subtetragona* (Link) Maxon
Global distribution: USA, Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: P. Standley 21647, GH (A.R. Smith in Davidse *et al.* 1995). **Ahuachapán**: R. Seiler 953 (MHES). **Santa Ana**: K. Prestegard 11 (MP-00050) (LAGU).

Thelypteris subg. Meniscium

♦ ***Thelypteris angustifolia*** (Willd.) Proctor, Bull. Inst. Jamaica, Sci. Ser. 5: 57. 1953.
Meniscium angustifolium Willd., *Dryopteris angustifolia* (Willd.) Urb., *Polypodium salicifolium* Vahl
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Paraguay.
Salvadoran distribution: **Morazán**: J.Monterrosa & C.Bermudez 1381 (BM, LAGU, UC).

♦ ***Thelypteris serrata*** (Cav.) Alston, Kew Bull. 1932: 309. 1932.
Meniscium serratum Cav., *Dryopteris serrata* (Cav.) C. Chr.
Local name: helecho gallardete.
Global distribution: USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina.
Salvadoran distribution: **Ahuachapán**: F. Chinchilla & E. Sandoval s.n. (ISB00277) (LAGU, MO). **Sonsonate**: S. Winkler 34 (ITIC).

♦ ***Thelypteris standleyi*** (Maxon & C. V. Morton) R. M. Tryon, Rhodora 69: 8. 1967.
Dryopteris standleyi Maxon & C. V. Morton
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Ecuador, Peru, Bolivia.
Salvadoran distribution: **Morazán**: A.K. Monro *et al.* 3828 (B, BM, ITIC, LAGU, MO); J. Monterrosa & R. Carballo 795, 871 (LAGU).

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Athyrium bourgeaui E. Fourn., Mexic. Pl. I: 102.1872.
Athyrium paucifrons C. Chr.
Global distribution: Mexico, Guatemala.
Salvadoran distribution: **Morazán**: R. Seiler 1056 (ITIC, MHES).

Athyrium palmense (Christ) Lellinger, Proc. Biol. Soc. Wash. 89: 708. 1977.
Cystopteris fragilis (L.) Bernh. var. *palmensis* Christ
Global distribution: Mexico, Costa Rica.
Salvadoran distribution: **Santa Ana**: M.L. Reyna de Aguilar 760 (MHES); R. Seiler 620 (MHES); 1202 (ITIC). **La Libertad**: W. Berendsohn *et al.* 1442 (LAGU). **San**

Salvador: R. Seiler 450, 580 (MHES).
Athyrium skinneri (Baker) Diels, Nat. Pflanzenfam. I(4): 224.1899.
Asplenium skinneri Baker
Global distribution: Mexico, Guatemala, Nicaragua, Costa Rica, Panama, Colombia, Ecuador.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 527 (B, LAGU); J.M. Rosales 944, 1053 (AAU, B, BM, LAGU, MO). **Sonsonate**: D. Rodríguez & G. Trejo 107 (LAGU, NY). **Santa Ana**: K. Prestegard 9 (MP-00013) (LAGU); R. Seiler 701 (MHES). **La Libertad**: N. Ventura 5002 (ITIC); O. Rohweder 2625 (JBL01253) (LAGU); 2626 (JBL01252) (LAGU). **San Salvador**: R. Seiler 583 (JBL04814) (F, LAGU, MHES); R. Seiler 68, 375, 510, 635 (F, MHES).

Cystopteris fragilis (L.) Bernh., Neues J. Bot. I(2): 26, t. 2 (F). 9. 1806.
Polypodium fragile L., *P. diaphanum* Bory, *Cystopteris fragilis* (L.) Bernh. subsp. *diaphana* (Bory) Litard., *C. diaphana* (Bory) Blasdell, *C. arcuata* Fée, *Aspidium fragile* (L.) Sw. var. *fumarioides* M. Martens & Galeotti
Global distribution: USA, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Chile, Argentina, Europe, Africa, Asia, Hawaii.
Salvadoran distribution: **Santa Ana**: G. Davidse *et al.* 37250 (B, BM, ITIC, LAGU, MO); J. Monterrosa *et al.* 982 (B, LAGU, MO, NY); R. Seiler 353 (JBL04809) (F, LAGU, MHES); R. Seiler 278, 343, 502 (F, MHES). **Chalatenango**: R. Seiler 155 (F, MHES); R. Seiler 405 (JBL00090) (F, LAGU, MHES).

Diplazium cristatum (Desr.) Alston, J. Bot. 74: 173.1936.
Meniscium cristatum Desr., *Asplenium arboreum* Willd., *A. denticulosum* Desv., *A. shepherdii* Spreng., *Diplazium arboreum* (Willd.) C. Presl, *D. denticulosum* (Desv.) C. Chr.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Guayana, Suriname, French Guyana, Ecuador, Peru, Brazil, Bolivia, Paraguay, Argentina.
Salvadoran distribution: **Ahuachapán**: J.M. Rosales 922, 947 (AAU, B, BM, LAGU, MO); M. Magaña 40 (MP-00015) (LAGU); R. Seiler 916 (F, MHES). **Santa Ana**: M. B. Siu s.n. (ITIC). **San Salvador**: R. Seiler 371 (F, ITIC, MHES); 532 (F, MHES).

Diplazium donnell-smithii Christ, Bull. Herb. Boissier, sér. 2, 7: 270. 1907.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica.
Salvadoran distribution: **Ahuachapán**: A.K. Monro *et al.* 1980 (B, BM, ITIC, LAGU, MO); R. Seiler 825 (F, ITIC, MHES); S. de Moore s.n. (12-912) (MHES). **Santa Ana**: R. Seiler 358 (JBL04810) (LAGU, MHES); 689 (JBL04816) (F, LAGU, MHES); 273 (MHES); 474 (F, MHES); V.M. Martínez s.n. (CMC00896) (B, EAP, LAGU, MO). **San Salvador**: A. Molina & E.A. Montalvo 21852 (JBL01464), EAP (F, LAGU); R. Seiler 336 (F, MHES); S. Winkler 32 (ITIC).

◆ ***Diplazium drepanolobium*** A.R. Sm., Amer. Fern. J. 70: 21. 1980.
Global distribution: Mexico, Guatemala.
Salvadoran distribution: **Sonsonate**: R. Villacorta *et al.* 323 (B, F, LAGU, MO).
Diplazium franconis Liebm., Mexic. Bregn. 256 (reprint 104). 1849.

Asplenium franconis (Liebm.) Mett., *A. franconis* (Liebm.) Mett. *var. gracile* E. Fourn., *A. aspidiiforme* Fée, *A. distans* Fée, *A. shepherdii* Spreng. *var. bipinnatum* Christ, *Diplazium camptocarpon* Fée .
Local names: helecho pacún, helecho crisalia.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Panama.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 334 (LAGU, MO); E. Sandoval & F. Chinchilla 43 (LAGU). **Santa Ana**: A. Molina *et al.* 16896 (F); G. Cerén & D. Rodríguez s.n. (JBL04662) (LAGU); G. Davidse *et al.* 37225 (B, BM, ITIC, LAGU, MO); R. Seiler 178, F (LAGU). **Chalatenango**: R. Seiler 380 (F, MHES).

Diplazium lindbergii (Mett.) Christ, Prim. Fl. Costaric. 3(I): 27. 1901.
Asplenium lindbergii Mett., *A. induratum* Christ, *Diplazium induratum* Diels
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Ecuador, Peru, Brazil, Bolivia, Uruguay.
Salvadoran distribution: Lötschert 414, US (Mickel & Smith, 2004: 260). **Morazán**: R. Seiler 981 (MHES); 1028 (ITIC).

Diplazium lonchophyllum Kunze, Linnea 13: 141. 1839.
Diplazium inaequilaterum Liebm., *D. actuale* Fée .
Local names: helecho de coqueta, helecho palma de ángel, helecho pluma de tucán, helecho trencilla de bajío.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Ecuador.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 130 (LAGU); E. Sandoval & F. Chinchilla 487, 1165 (B, LAGU); E. Sandoval & M. Sandoval 1372 (B, LAGU); F. Chinchilla & E. Sandoval s.n. (ISB00151) (B, LAGU, MO); J.M. Rosales 451 (AAU, B, BM, LAGU, MO); M. Sandoval & E. Sandoval s.n. (ISB00869), 289, 294 (B, F, LAGU); P. Standley *et al.* 2567 (F); R. Seiler 917, 931 (F, MHES); W. Berendsohn 1312 (B, LAGU, MO); W. Berendsohn *et al.* 1400 (B, LAGU, MO). **Sonsonate**: J. Tucker 1350 (F); R. Seiler 596 (F, MHES). **Santa Ana**: K. Prestegard 5 (MP-00019) (LAGU); R. Seiler 244 (F, ITIC, MHES); V.M. Martínez s.n. (CMC00853) (B, LAGU, MO); V.M. Martínez s.n. (CMC00873), s.n. (CMC00967), s.n. (CMC01010), s.n. (CMC01032) (B, EAP, LAGU, MO). **La Libertad**: J. Mauricio *et al.* s.n. (JBL04480), s.n. (JBL04490) (B, BM, ITIC, LAGU, MO); R. Seiler 714 (F, MHES). **San Salvador**: R. Seiler 218, 370, 451, 452, 533, 786 (F, MHES). **Chalatenango**: L. Lara 232, 236a (MHES). **Cabañas**: A.K. Monro *et al.* 3749 (B, BM, ITIC, LAGU, MO). **Cuscatlán**: Grupo Ecológico Cantón La Bermuda s.n. (JBL03211) (AAU, B, BM, LAGU, MO). **Morazán**: R. Seiler 1064, 1086 (F, MHES).

Diplazium striatum (L.) C. Presl, Suppl. Tent. Pterid. 114. 1836.
Asplenium striatum L., *Diplazium crenulatum* Liebm., *D. elongatum* Fée, *D. matudae* C. D. Adams. Local names: helecho macho de altura, helecho negro de altura, helecho palma de calvario.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Antilles, Colombia, Venezuela, Trinidad and Tobago, Ecuador, Peru, Brazil, Bolivia.
Salvadoran distribution: **Ahuachapán**: E. Sandoval & F. Chinchilla 211 (LAGU); E. Sandoval & M. Sandoval s.n. (JBL01385) (B, LAGU); F. Chinchilla s.n. (ISB00572) (AAU, F, LAGU), s.n. (ISB00662) (AAU, F, LAGU); R. Seiler 933 (F, MHES).

Sonsonate: J. Tucker 1353 (F). **San Salvador**: S. Winkler 44 (ITIC). **Morazán**: R. Seiler 981 (F).

Diplazium ternatum Liebm., Mexic. Bregn. 252 (reprint 100). 1849.
Asplenium ternatum (Liebm.) Hook.
Global distribution: Mexico, Guatemala, Honduras, Nicaragua.
Salvadoran distribution: **Santa Ana**: R. Seiler 772 (ITIC); **Morazán**: J.L. Linares & A. Pool 2292 (JBL01931) (LAGU).

Diplazium vera-pax (Donn. Sm.) Hieron., Hedwigia 59: 322. 1917.
Asplenium vera-pax Donn. Sm., *A. cordovense* Baker
Global distribution: Mexico, Guatemala, Belize, Nicaragua, Costa Rica, Panama.
Salvadoran distribution: **Santa Ana**: M.L. Reyna de Aguilar 659 (MHES).

Diplazium werckleanum Christ, Bull. Herb. Boissier, sér. 2, 4: 969. 1904.
Global distribution: Mexico, Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Colombia.
Salvadoran distribution: **Ahuachapán**: R. Seiler 902 (F, ITIC, MHES); 952 (F, MHES). **Sonsonate**: A. Molina & E.A. Montalvo 21625 (JBL01491) (F, EAP, LAGU), 21774 (JBL01555) (F, EAP, LAGU). **Santa Ana**: B. Pfeiffer-Berendsohn 50 (B, LAGU, MO); D. Rodríguez & G. Cerén s.n. (JBL04596) (LAGU); J. Tucker 1214 (F); J. Monterrosa & R. Martínez 939, 946 (LAGU, NY); K. Prestegard 31 (MP-00020) (LAGU); K. Sidwell *et al.* 844 (B, BM, ITIC, LAGU, MO); O.Pank s.n. (12-979) (MHES); R. Seiler 275, 483 (F, MHES); S. Winkler 1b (ITIC). **San Salvador**: R. Seiler 355 (F, MHES). **Chalatenango**: R. Seiler 379 (JBL00089) (F, LAGU, MHES). **Morazán**: R. Seiler 1025 (F).

Woodsia mollis (Kaulf.) J. Sm., J. Bot. (Hooker) 4: 191. 1841.
Physematium molle Kaulf., *Woodsia guatemalensis* Hook., *W. fragilis* Liebm.
Global distribution: Mexico, Guatemala, Nicaragua.
Salvadoran distribution: **Sonsonate**: R. Seiler 496 (F, MHES). **Santa Ana**: M.B. Siu s.n. (ITIC); R. Seiler 43, 661 (F, MHES); 501 (ITIC, MHES); S. Winkler 83 (ITIC).

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MORTON, C.V. 1947. The American species of *Hymenophyllum*, section *Sphaeroconium*. Contr. U.S. Natl. Herb. 29(3): 139-201.
STEVENSON, D.W. & LOCONTE, H. 1996. Ordinal and familial relationships of pteridophyte genera. In: CAMUS, J.M., GIBBY, M. & JOHNS, R.J. (Eds) Pteridology in perspective, pp. 435-467. Royal Botanic Gardens, Kew.

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CONTENTS

MAIN ARTICLES

An annotated checklist of the Monilophytes (ferns) and Lycophytes of El Salvador
J. Monterrosa & A. K. Monro 120-214

INSTRUCTIONS FOR AUTHORS 215

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